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TELEPHONE NUMBER:
BANK 852 (two lines).

Registered as a Newspaper.

TELEGRAPHIC ADDRESS:
"CHEMICUS LONDON."

**Established in
ENGLAND, 1859.]**

Published Weekly at 42 CANNON STREET,
LONDON, E.C.

**Established in
[AUSTRALASIA, 1885.]**

No. 1,549. VOL. LXXV.

OCTOBER 2, 1909

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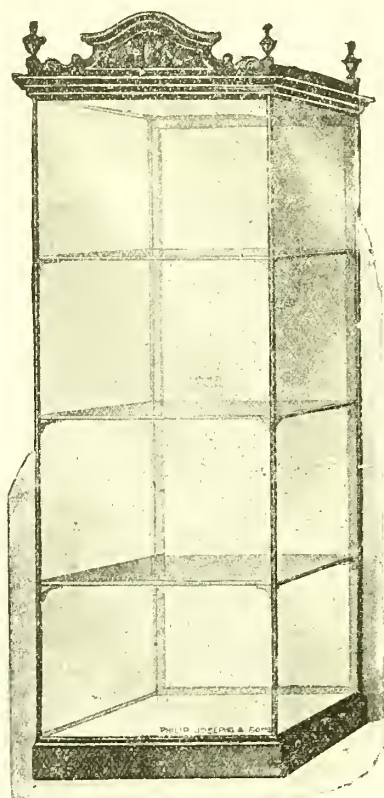
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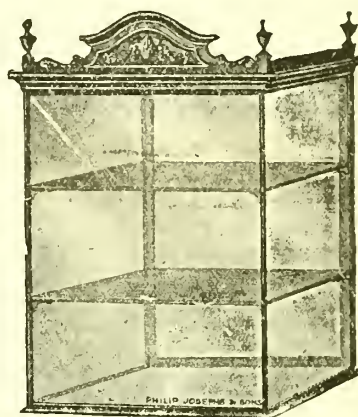
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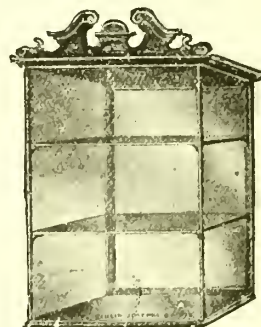
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Benger's Food, Ltd.

Fairchild Bros. & Foster

Parke, Davis & Co.

Squire & Sons

Zimmermann, C., & Co.

DISINFECTANTS

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Cook, E., & Co., Ltd.
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmaceutical Co.
Roberts, Cornford & Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

DOSE REGULATORS

Reuter, R. J.

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Bush, H. W., & Co., Ltd.
Chemist's Co-operative Wholesale
Chemists' Sundries, Ltd.
Christy, T., & Co.
Cook, Alfred, & Co.
Davis, J. M., & Sons
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Gutmann, A. E., & Co.
Hartick, James L., & Co., Ltd.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Pothe, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers'
Schutze, F., & Co.
Shirley Bros., Ltd.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wattenbach, O.
Wood, Vincent
Woolley, J., Sons & Co.

DRUGS, CRUDE

Carmichael, F. J., & Co.
Horner & Sons
Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.

DRYSALTERIES

Harker, Stagg & Morgan, Ltd.

DYES

Judson, D., & Son
Whitaker & Co. (Hat)

EAU DE COLOGNE

Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS

Bath and West of England College of Pharmacy
Borough Polytechnic Institute
British Optical Institute
Burlington Correspondence College
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Goldsmiths' Technical College
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Nottingham School of Pharm.
Pharmaceutical Society's School of Pharmacy
Royal Dispensary (Edinburgh)
South of England College of Pharmacy
University of Birmingham
West Ham Technical Institute
Westminster College of Pharm.

EFFERVESCENT PREPS.

Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lorimer & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELASTIC HOSIERY

Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Maw, S., Son & Sons
Wood, Vincent

EMBOSSING

Avery, W. R. F.

EMBROCATIONS

Elliman, Sons & Co.
James, F.

EMERY AND CLOTH

Oakey, J., & Sons, Ltd.

EMULSIONS, COD - LIVER OIL, ETC.

Allen & Hanburys, Ltd.
Ayrton, Saunders & Co., Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, Robert
British Drug Houses, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Parke, Davis & Co.
Scott & Bowne, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co.
Woolleys, Ltd.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley
Davol Rubber Co.
Hatricks, James L., & Co., Ltd.
Hay, J. B., & Co.
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ENTOMOLOGICAL APPARATUS

Watkins & Doneaster

EPSOM SALTS

Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lantier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newhall & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ETHERS

Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.

EXTRACT OF HERBS

Newhall & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Chemist's Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)

FEEDING BOTTLES

Breth, E., & Co., Ltd.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers
Southall Bros. & Barclay, Ltd.

FILTERS (WATER)

Berkefeld Filter Co., Ltd.

FLESH GLOVES

Sangers

FLYCATCHERS

Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Flykatohe
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Smith, J. H., & Co.
Strong, Christy
Tanbridge & Wright

FOODS, INFANTS'

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis, B. & T.

FOODS, SPECIAL

Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Buvo, Ltd.
Callard & Co.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Menley & James, Ltd.
Natural Food Co., Ltd.
Wander, A.

FORMALDEHYDE

Burt, Boulton & Haywood

FRUIT CRYSTALS

Aerators, Ltd.

FRUIT SYRUPS

Idris & Co., Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GELATIN AND GLUE

Boehm, F., Ltd.

GLASSWARE, CHEMICAL

Zahradnik, Jos.

GLAUBER'S SALT

Bramwell, E., & Son
Howards & Sons, Ltd.

GLYCERIN

Boehm, F., Ltd.
Price's Patent Candle Co.

GLYCEROPHOSPHATES

Pointet & Girard

GOLD PAINT

Judson, D., & Son

GRINDERS

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

GUMS

Fink, F., & Co.

HAIR WAVERS AND CURLERS

Merkham Trading Co., Ltd.

HAIR PREPARATIONS

Capnoids (1909), Ltd.
Cheshrough Manfg. Co.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Strange Winter
Rohare's Aureoline
Rowland, A., & Sons
Woolleys, Ltd.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, T., & Co.

HEATING APPARATUS

Clark, S., & Co.
Gutmann, A. E., & Co.
National Radiator Co., Ltd.

HERBS

Carmichael, F. J., & Co.
Potter & Clarke

HOMOEOPATHIC MEDICINES

Sanitas & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HOT-WATER BOTTLES

Berliner, Arthur
Burge, Warren & Ridgley
Fulham Pottery & Cheavin
Filter Co., Ltd.

Hutchinson Co.

Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Tompkins, James, Ltd.
Wood, Vincent

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.
Tyrer, T., & Co., Ltd.

INHALERS

Christy, T., & Co.
Sangers

INK

Bewley & Draper, Ltd.
Hickisson, A. B.

INSECTICIDES

Christy, Thos., & Co.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Vaporite-Strawson Co., Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

INSECT POWDER

Boehm, F., Ltd.
Smith, B. A., & Co.

IODINE AND IODIDES

Howards & Sons, Ltd.
Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Boling, Brown & Co.
Brefitt, E., & Co., Ltd.
Bush, H. W., & Co., Ltd.
Christy, T., & Co.
Cook, A., & Co.
Johnsen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son

Maw, S., Son & Sons

Poths, H., & Co.

Reuter, R. J.

Stipendium Stopper Co.

Toogood, W., Ltd.

LACTIC FERMENTS

Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Davies, Sons & Co., Ltd.
Martindale, W.
Parke, Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING

Roberts, Cornford & Co.

LANOLINE

Burroughs Wellcome & Co.
Christy, T., & Co.

LARD

Chemist's Co-operative Wholesale

Ewen, J., & Sons

LIME JUICE AND CORDIAL

Evans Sons Lescher & Webb

Goodall, Backhouse & Co.

Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons

Mumford, G. S., & Sons

LINTS

Liverpool Lint Co.
Robinson & Sons, Ltd.
Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.
British Drug Houses, Ltd.
Carmichael, F. J., & Co.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. B.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.
Fletcher, Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.
May & Baker, Ltd.

Merck, E.

LOOFAHS

International Sponge Importers

LOZENGES

Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Meggeson & Co., Ltd.
Potter & Clarke
Raines & Co.
Warwick Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MAILING CASES

Estes, E. B., & Sons

MALT EXTRACT AND PREPS.

Allen & Hanburys, Ltd.
Blackie, R.
British DiaMalt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Tolkien, C., & Co.
Woolley, Jas., Sons & Co., Ltd.
Wright, Layman & Umney

MARKING INK

Hickisson, A. (Bond's)

MEASURES

Bush, H. W., & Co., Ltd.

MEAT EXTRACTS

Armour & Co., Ltd.
Bovril, Ltd.
Brand & Co., Ltd.
Buvo, Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MENTHOL CONES

Bush, H. W., & Co., Ltd.
Maw, S., Son & Sons

MERCURIALS

Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Darton, F., & Co.

METHYLATED SPIRIT

Burroughs, J., Ltd.
Preston's Liverpool Distillery

Randall & Son, Ltd.

MILK APPARATUS

Zimmermann, C., & Co.

MILK SUGAR

Zimmermann, C., & Co.

MINERAL WATERS AND SALTS

Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes, E. Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)

MOTOR GOGGLES

Darton, F., & Co.

NAPHTHAS

Burt, Boulton & Haywood

NURSES' WALLETS

Hatricks, James L., & Co., Ltd.

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Boake (A.), Roberts & Co., Ltd.
Boutin, G. L.

Bush, W. J., & Co., Ltd.

Chiris, Antoine

Evans Sons Lescher & Webb, Ltd.

Horner & Sons

Jakson, J., & Co.

Lautier Fils

Lhermine & Cie.

London Essence Co.

Matthew, Jesse

Mühlethaler, Th., Ltd.

Pasquale, S. F. de, & Fratelli

Poppelreuter, W.

Ransom, W., & Son

Roure-Bertrand fils

Sachsse, E., & Co.

Scheller, Emil, & Co.

Schimmel & Co.

Schmoller & Bompard

Spencer, J., Son & Co.

Stevenson & Howell, Ltd.

Todd, A. M., Co.

Wright, Layman & Umney

Zimmermann, A. & M.

OILS, FATTY, ETC.

Allen, Stafford, & Sons, Ltd.
Price's Patent Candle Co.

Smith, B. A., & Co.

OILS, MINERAL

Carmichael, F. J., & Co.
Price's Patent Candle Co.

ointments

Blackie, R.
Chemist's Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OPTICAL INSTRUCTION

British Optical Institute

ORANGE WINE

Melrose-Drover Co., Ltd.

OTTO OF ROSEBontcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Scheller, Emil & Co.
Seraphimoff, S., & Co.
Shipkoff & Co.**PACKED GOODS**

(See WHOLESALERS)

PALATINOLIDS

Oppenheimer, Son & Co.

PASTILLESAllen & Hanburys, Ltd.
Asche, O. F., & Co.
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb
Meggeson & Co., Ltd.
Warrick Bros.**PATENT AGENT**

Barker, R. W.

PERFUMESAllen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Bush, W. J., & Co., Ltd.
Christy, T., & Co.
Chuit, Naef & Co.
Erasmic Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J., & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Quelch, H. C., & Co.
Southall Bros. & Barclay
Spencer, J., Son & Co.
Warrick Bros.
West, T., & Son
Yardley & Co., Ltd.**PERFUME MATERIALS**Bontcheff & Kidoff
Bush, W. J., & Co., Ltd.
Chris, Antoine
Compagnie Morana
Lautier Pils
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Scheller Emil & Co.
Simmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Zimmermann, C., & Co.**PESSARIES**Burge, Warren & Ridgley
Rendell, W. J.**PETROLEUM EMULSION**

British Drug Houses, Ltd.

PETROLEUM JELLYCarmichael, F. J., & Co.
Chesebrough Mfg. Co.**PHOTO. CHEMICALS**Boehringer, C. F., & Soehne
Burroughs Wellcome & Co.
Merck, E.**PHOTO. ENLARGERS,
PRINTERS, &c.**Express Developing Co.
Halifax Photographic Co.**PHOTO. GOODS**Barclay & Sons, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.**PILL MAKERS**Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Thompson & Capper
Cox, A. H., & Co., Ltd.
Davies Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, O. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Standard Tablet & Pill Co.
Wand Mfg. Co.
Woolley, J., Sons & Co., Ltd.**PLASTERS**Allcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmás, A. de St., & Co.
Leslies, Ltd.
Maw, S., Son & Sons
Solport Bros.**PLASTIC MODELS**

Plastic Advertisement Co.

POLISHES (VARIOUS)Bradley & Bourdas
Judson, Daniel, & Son
Oakley, J., & Son, Ltd.**POSTERS**

Ford, Shapland & Co.

PRINTERSAvery, W. R. F.
Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
Parkes, John, & Co.
Smith, W. H., & Son
Townsend, J., & Sons**PROPRIETARY ARTICLES**American Drug Stores
Anglo-American Drug Co.
Anglo-American Pharm. Co.,
Ltd.
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Box, W. H.
British Drug Houses, Ltd.
Burgess, E.
Capsuloids (1909), Ltd.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Conoid Co.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Danyez Virus, Ltd.
Da Silva & Co.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Day, Son & Hewitt
Denoual, J., & Co.
Edwards, W., & Son
Elliman, Sons & Co.
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Fulford, C. E., Ltd.
Goodall, Backhouse & Co.
Grapelax, Ltd.
Gutmann's Successors
Guy's Tonic Co.
Henry, T. & W.
Himrods Asthma Cure
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kay Bros., Ltd.
Kutnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmacal Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
May, Roberts & Co.
Menley & James, Ltd.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Owbridge, W. T., Ltd.
Pedezy Co.
Phillips, Chas. H., Chem. Co.
Resinol Chemical Co.
Sangers'
Simmel & Co.
Scott & Bowne, Ltd.
Smith, Maurice
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thermogene Co., Ltd.
Thompson & Capper
Wilcox, Jozeau & Co.
Wulfing, A., & Co.
Zotos, Ltd.
(See also DENTIFRICES and TOILET
ARTICLES)**PULVELLÆ**

Warrick Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTSBoehringer, C. F., & Soehne
Carmichael, F. J., & Co.
Howards & Sons, Ltd.
Pointet & Girard**RAPE OILS**

Hull Oil Mfg. Co.

RAZORSAuto-Strop Safety Razor Co.
Gillette Safety Razor, Ltd.
Hovenden, R., & Sons, Ltd.**RENNET**Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.**RESINS AND RESINOLIDS**Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. H., Ltd.**RESPIRATORS**

Zimmer & Co.

RUBBER GOODSBurge, Warren & Ridgley, Ltd.
Davol Rubber Co.
Evans Sons Lescher & Webb, Ltd.
Fecher, M. J.
Galen Mfg. Co.
Hatrik, James L., & Co., Ltd.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Wanklyn, H. A.
Warn, W., & Co., Ltd.**SACCHARIN**

Saccharin Corporation, Ltd.

SALICINMacfarlan, J. F., & Co.
Smith, T. H., Ltd.**SAMPLE CASES**

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONINField, C. W.
Stamer, Dr. R.**SAUCES**

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCALES, WEIGHING

Parnall & Sons, Ltd.

SCIENTIFIC APPARATUS

Reynolds & Branson, Ltd.

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SELTZOGENES

Aerators, Ltd.

SERUMS AND ANTITOXINSAllen & Hanburys, Ltd.
Evans Sons Lescher & Webb
Park, Davis & Co.
Simmel & Co.
Wilcox, Jozeau & Co.**SHARES**

McAdam & Tuckniss

SHEEP-DIPSBurt, Boulton & Haywood
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.**SHOP-FITTING**Ayrton-Graham, Ltd.
Bowling Son
Evans Sons Lescher & Webb, Ltd.
Josephs, P., & Son
Maw, S., Son & Sons
Mills, H.
Parnall & Sons, Ltd.
Rudduck & Co.
Sangers'
Southall Bros. & Barclay, Ltd.**SOAP MATERIALS**Armour & Co., Ltd.
Chirris, Antoine**SOAPS**Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmic Co., Ltd.
Hull Oil Mfg. Co., Ltd.
Lescol Perfumery Co.
Oakley, J., & Son., Ltd.
Pears, A. & F., Ltd.
Price's Patent Candle Co.
Shaw, Henry, & Co.
Wright, Layman & Umney**SOAPS, MEDICATED**Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. O., & Co.**SOAPS, MEDICATED (cont.)—**Lambert Pharmacal Co.
Resinol Chemical Co.
Wright, Layman & Umney**SOCKS**

Davis, J. M., & Sons

SODA FOUNTAINS

British Automatic Aerators, Ltd.

SODIUM BICARBONATEBrunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.**SCIL INSECTICIDE.**

Vaporite-Strawson Co., Ltd.

SOOTHERS

Chemists' Sundries, Ltd.

SOYA OIL

Hull Oil Mfg. Co.

SPARKLETS

Aerators, Ltd.

SPECTACLESBotwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Nitsche & Günther
Raphael's, Ltd.**SPHYGMOMETERS**

Hicks, J. J.

SPIRIT OF WINEBurrough, J., Ltd.
Preston's Liverpool Distillery**SPITTING-FLASKS**

Maw, S., Son & Sons

SPONGE BAGSMaw, S., Son & Sons
Schutze, F., & Co.
Toogood, W., Ltd.**SPONGE STANDS**

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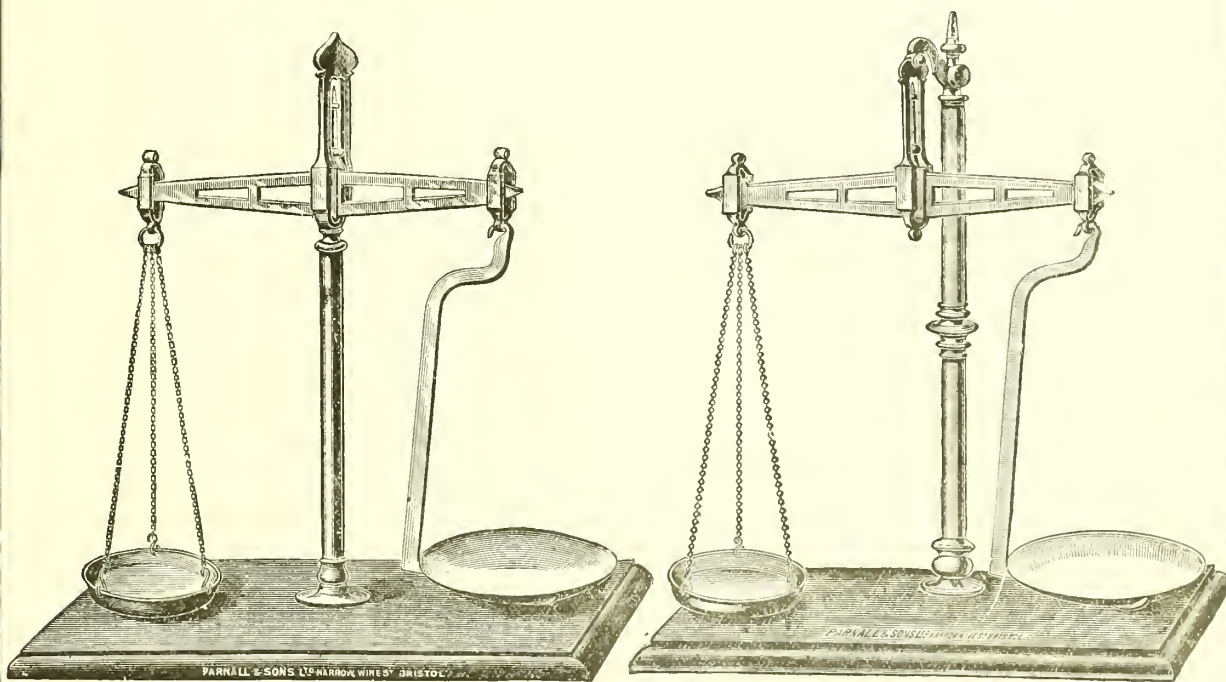
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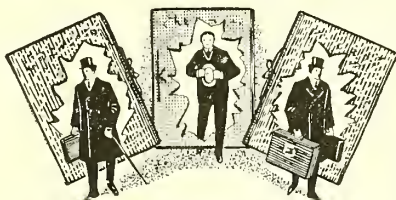
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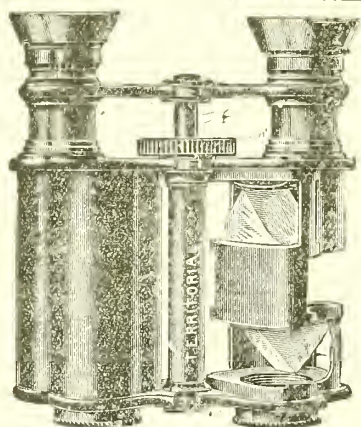
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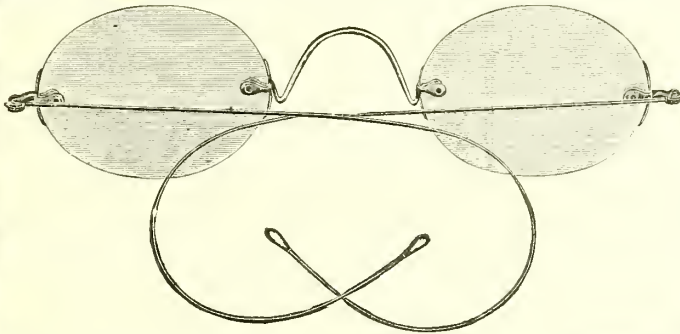
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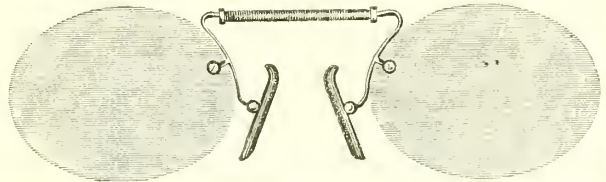
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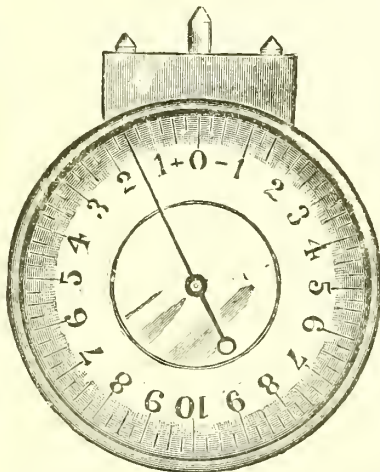


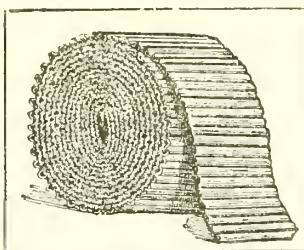
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Prescription Books, Ledgers, and Account Books.
Demy Paper, and Wrapping Paper for Chemists,
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Would you like
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It costs next to nothing.

Full particulars, sample and price list of all Chemists' Corks free on application.

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"BOUCHON" WORKS, 15-17 FARRANCE STREET, LIMEHOUSE, LONDON, E.

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Printers for Pharmacists,

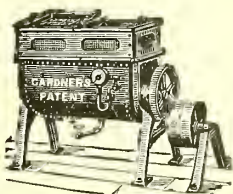
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"RAPID" SIFTERS & MIXERS

OVER 2,870 working in

Almost Every Trade where
POWDERS are Sifted and
Mixed and Lumps Re-
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one operation and without
loss by dust.



FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

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Profitable Warming.

An Ideal Low Pressure Warming System will warm your Shop or other property thoroughly, economically and cleanly, with the minimum expenditure of fuel and labour, preserving stock from damp, dirt, dust and fire risk, thus effecting an annual saving of 10% to 20% on the initial cost.

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BOTTLE CAPS**

are replacing almost every form of cap-
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better looking—quicker and easier.
Only 5 seconds' labour—dry in 3 hours.

Send for particulars and prices to—

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DAY, SON & HEWITT'S Animal Medicines.

A sure remedy for
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Loss of Appetite in
Horses. For De-
bility, Scour, or
Diarrhoea in Horses, Cattle, and Sheep. Hoven or Blown
Cattle and Sheep instantaneously relieved.

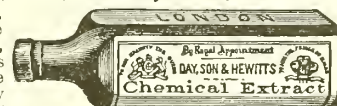
Price 1s. 9d. per bot.; 20s. per doz.



For all Feverish Disorders
among Cattle, Sheep, and
Pigs, and for Colds, Indi-
gestion, Costiveness, Yel-
lows, Surfeits, Loss of
Cud, Hide-bound, Red
Water, &c. Admirably
adapted for cleansing and
checking Feverish Sym-
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after Parturition.

Price (Cows), 13s. per doz.; Ewes, 3s. 6d.

For Kicks, Cuts,
Bruises, Sore
Withers, Swellings,
Strains of Ligaments
and Tendons, Saddle
Galls, &c. It rapidly
relieves Straining



and Pain after Calving and Lambing, and is the remedy
for Swollen Udders and Sore Teats.

Price 2s. 6d., 3s. 6d., and 7s. per bot.

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Special Terms to the end of the year

To encourage the sale of Tidman's Sea Salt and other preparations, the proprietors will pay carriage on all orders of £1 and upwards instead of £2 and upwards, prices and terms as under. Tidman's goods only require showing; they then sell themselves and yield large profits.

All Prices subject to 5 per cent. discount for cash.

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TIDMAN'S SEA SALT.

Retail at

1d. Packets, 1 doz. in box, 8/- per gross,	1d. ea. or 1/- a box.
2d. " " " 15/6 "	2d. " 2/- "
1d. Linen Bags " 7/- "	1d. " 1/- "
2d. " " " 14/- "	2d. " 2/- "
1½ lb. Wooden Boxes, 2/8 per doz.	4d. each.
3 lb. " " 5/3 "	6d. " "
7 lb. " " 10/3 "	1/- to 1½ each.
14 lb. " " 18/9 "	2/- to 2/6 "
1 cwt. Bags, car. pd. 8/6 each	10/- despatched
½-cwt. " " 4/3 "	5/6 carriage paid to
¼-cwt. " " 2/7 "	3/- dress if required.

TIDMAN'S TABLE SALT, cheapest and best in the market, the King of Table Salts, finest, whitest, and never cakes.

Tins, about 1½ lbs., ½ doz. in box, 3/- per doz. ... 4d. to 6d. each.
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TIDMAN & SON, LTD.

WAPPING, LONDON. E.

ON THE P.A.T.A. LIST.

The First Marking Ink Enrolled.

Yields 40 Per Cent. Minimum Profit.

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JOHN BOND'S "CRYSTAL PALACE" MARKING INK

Supplied to the Royal Households, and awarded 45 Gold Medals, &c.

Heat or Non-Heat.	Protected Minimum Price.	Minimum Price to the Retail.	Minimum Price to the Wholesale.
6d. size 1s. "	4d. per bot. 8d. "	2/9 doz. nett 5.6 "	30/- gross nett 60 - "

100 Years' WORLD WIDE Reputation

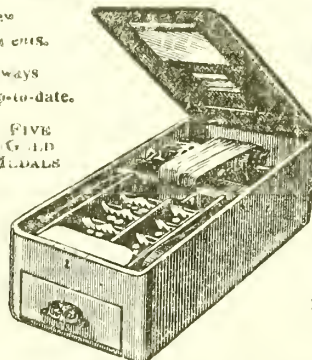
N.B.—When ordering through the Wholesale, please specify the "CRYSTAL PALACE INK," and if the Original Preparation Requiring Heat, the Non-Heat kind, or Assorted is required; and in order that no customer may suffer loss through old or soiled stock, this can always be exchanged for fresh, either direct or through the Wholesale.

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Depot for HENRY BOND'S ORIGINAL INDELIBLE "OAK TREE"
HEAT OR NON-HEAT MARKING INK.

New
Patents.
Always
Up-to-date.
FIVE
GOLD
MEDALS



O'BRIEN'S Self-closing

THE STANDARD CHECK TILLS.

CHECK TILLS

Quickest, Safest, Best and Cheapest. Made in Solid Mahogany throughout.
ALL THE LATEST AND GREATEST IMPROVEMENTS

TESTIMONIAL. 20th Feb., 1908.

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London Showrooms: 281 & 282 High Holborn.

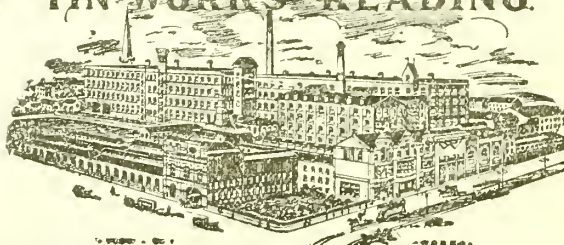
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HUNTLEY, BOORNE & STEVENS, LTD

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PRINTERS
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MAKERS OF HIGH-CLASS.
DECORATED & PLAIN TIN BOXES,
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Quotations to samples
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CORRESPONDENCE INVITED.

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The Mighty
Energiser



Again this year the Bovril Company are making their liberal allowance of **5% Cash Bonus** on the gross value of orders for Bovril and Vimbos (not bulk packages) sent, to wholesale houses or the Company direct,

between Sept. 13 and Oct. 31, 1909.

The only conditions are:—(1) That the customer shall not cut below minimum prices; (2) He shall display a Bovril window bill on each street floor window of his business premises for six weeks; and (3) Make prompt payment of accounts, in accordance with ordinary trade terms.

Send your order at once to Bovril, Ltd., 152-166 Old St., London, E.C., and take your full share of the cash to be earned over and above the profits on the sales.

BOVRIL

the Quick Seller

**needs no pushing. It sells on its merits
as the finest beef preparation obtainable,
and is in steadily increasing demand.**

If you cultivate or desire to cultivate

THE AGRI-HORTICULTURAL TRADE

Write for Price List No. 40 and Trade Terms for the sale of

VAPORITE. THE ORIGINAL . . SOIL INSECTICIDE.

VAPORITE commands the largest sale of all soil insecticides, and our terms afford a handsome return to the trade.

VAPORITE is well known to every up-to-date Farmer and Gardener.

NOTE.—We supply you free with Showcards for your window, and Price Leaflets (on which your name alone appears) for insertion in your catalogues or for general distribution.

SOLD IN CASKS AND TINS.

The Vaporite-Strawson Co., Ltd. (Dept. No. 20),
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"LIVERPOOL" VIRUS.

IN TINS READY PREPARED WITH THE BAIT.

NOTE.—THE "LIVERPOOL" VIRUS IS NOW PUT UP IN A NEW SIZE TIN
RETAILING AT 6/-, EQUAL TO THREE 2/6 TINS.

Wholesale, 4 6 each; 38—dozen. In half dozen lots, which may be assorted.

We have a new illustrated leaflet for distribution with customer's name and address. Also showcards,
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NOW is the time to push the "LIVERPOOL" Virus, which gives a profit of over 50% on sales.

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HAVE YOU SEEN THE . . .

"MAY QUEEN"

A Delicately Perfumed
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TOILET SOAP.

PACKED IN PRETTILY DECORATED SPRINKLERS.

The only Safe and Sanitary way to use Soap for the Toilet, Bath and Shaving.

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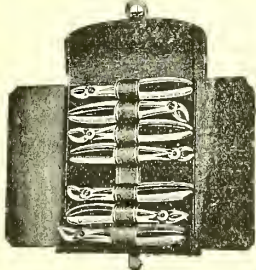
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**JAMES L. HATRICK
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Telephone No. : 10307 Central. Tel. Add. : " FORTALICE LONDON."



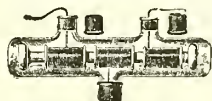
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SURGICAL INSTRUMENT
MANUFACTURERS.****BABY
SCALES.**3450. Baby Scale,
London made,
25/- doz.**MANICURE SCISSORS.**1223. ... 13/- doz.
1222. Straight, 10/- doz.
1218. ... 10 6 doz.
1219. Curved, 15/- doz.**TOOTH INSTRUMENTS.**

3076. 40/- set.

EYE BATHS.1806. 3/9 doz.
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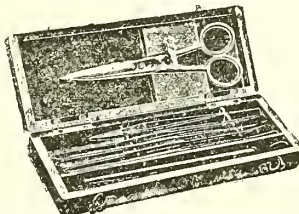
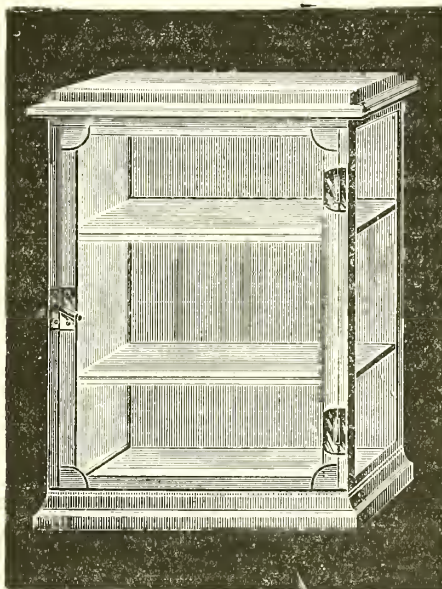
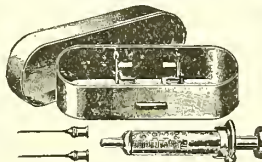
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Catgut or Silk,
20/- doz.**LIGATURES.**

425. Catgut or Silk, 24/- doz.

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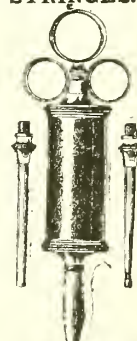
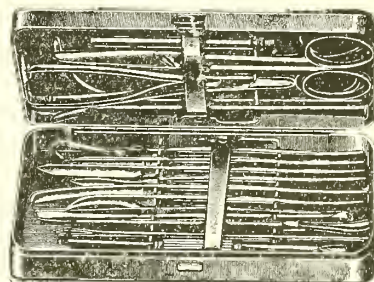
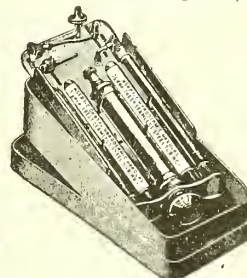
728. Rubber, 8/- doz.

**SEND FOR ILLUSTRATED
PRICE LIST.****DISSECTING SETS.**712. Dissecting Set as illustration,
8/- each.
713. Dissecting Set, better quality
Aseptic Scalpels, 12 6 each.**INSTRUMENT CABINETS.**6090. Size 18x15x8, with 2 shelves ... £1 10 ea.
6091. " 24x18x11 " 2 " ... £2 10 "
6092. " 24x18x11 " 3 " ... £2 15 "
6094. " 24x18x12 " 3 " extra quality £4 4 "**ALL GLASS
HYPODERMIC
SYRINGES.**

3242. 3 6 each.

**"STERILEX" ENEMAS.
Guaranteed.**

3913. 3/- each. BRASS

**NURSE'S DRESSING
SCISSORS. SYRINGES.**1235. 5 in., 10 6 doz. 1886. 1 oz., 5/- ea.
1236. 7 in., 15/- doz. 1888. 2 oz., 5 6 ea.
1184. 4 in., curved on flat, 1889. 3 oz., 6/- ea.
15/- doz. 1890. 4 oz., 7/- ea.
1184. 5 in., curved on flat, 17/- doz.**POCKET INSTRUMENT CASES.
Best quality.**1091. Little's Pocket Case, complete in
leather pouch, £1 15.**DENTAL
SYRINGES.**3148.
10 6 each.

A SPECIAL TRADE DISCOUNT OF 20 PER CENT. ALLOWED OFF ABOVE PRICES.

INDIA RUBBER GOODS SUBJECT TO A MARKET ADVANCE OF 10 PER CENT.

Nurses' Requisites.**Sterilizers.****Hospital Furniture.**

CARRIAGE FREE

CENT. PER CENT. PROFIT

Special CASH OFFER for WINDOW DISPLAY.

As a trial order we are prepared to send—

**1 doz.
6d. size
and
1 doz.
1/- size**

FOR

5/3

CARRIAGE FREE.

As a trial order we are prepared to send—

**1 doz.
6d. size
and
1 doz.
1/- size**

FOR

5/3

CARRIAGE FREE.

We print your name and address on three times the above quantity.

O'NEIL ZETTS & CO.

182 Stroud Green Road, N,

IMPORTANT NOTICE

Owing to the combined increase of duty and cost of labour, the Proprietors of **DR. PIERRE'S** Dental Preparations can no longer maintain the prices of their productions, which have remained unaltered for a quarter of a century. Below are the prices now established.

DR. PIERRE'S EAU DENTIFRICE

MINIMUM PRICES.

	Whole- sale	Retail	Adver- tised Price
Size 0 ¹	9/-	10d.	1/-
" 0 ²	15/-	1 5	1 9
" 1 ¹	27/-	2 6	2 9
" 2 ¹	45/-	4 3	5/-
* These three sizes, with Glass Sprinklers, 9d. per doz. extra.			
Size 3	89/-	8 3	9 6
" 4	136/-	12 6	14/-
" 5	271/-	25 -	27/-
Travelling Flask... ..	35/-	3 3	4/-
Corail and Quinquina Powder	9/-	10d.	1/-
" " "	12/-	1 2	1 3
" " "	21/-	2/-	2 6
Email Powder (White)... ..	15/-	1 6	1 9
Paste	9/-		
Tooth Paste (Rose), in Pots	18/-	1 8	2/-
" " in Tubes	7 6	10d.	1/-
" (White)	9 6	11d.	1/-

Price Lists and Show Cards on application from Depot—
203 REGENT STREET.

PRICES PROTECTED.

Dr. Allinson's Food Preparations.

Food for Babies, Prepared Barley, Brunak, Power, Cocoa, Biscuits, Soup, Walnut Butter, Wholemeal, &c.

NOTICE TO THE TRADE.

We issue a list of WHOLESALE HOUSES who keep above in stock; if for *any* reason you have difficulty in obtaining supplies, please send post-card direct to us, and a list will be sent to you by return. See trade mark on all our goods: T. R. ALLINSON. *None Genuine Without.*

NATURAL FOOD COMPANY, LIMITED.
305 Cambridge Road, Bethnal Green, LONDON, E.

Handbills, Booklets, Showcards, &c., Free.

N.B.—Our goods are to be sold only at prices stated upon the Price Lists we issue to the trade.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, OCTOBER 2, 1909.

PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the announcements the remittances must accompany the instructions. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. Advertisers desiring to telephone an announcement to us can do so, but in such case it will be necessary to telegraph the money and to state that such money order is to be delivered at 42 CANNON STREET. Telephone No.: 852 BANK (two lines). Telegraph Address: "CHEMISTS, LONDON."

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

You need never need

*anything long, if you are in the
Drug Trade.*

Advertise your needs herein.

*It pays to pay for advertising
in The C.&D. Supplement.*

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, S.E. (Residential Suburb).—Modern Pharmacy; all good middle-class trading; returns under manager, £1,200; net profit 25 per cent.; attractive shop; position unique; rent £67; long lease; price £900.

2.—THAMES VALLEY. — Established Business; Retail, Dispensing, and Photographic; returns £700; good opening for modern trading; well-fitted shop, double fronted; terms, lease and goodwill £50, stock and fixtures at valuation.

3.—LONDON, S.E.—Light Retail, Dispensing, Photographic, and Optical; all good middle-class trading; established 50 years; gross receipts for 1908 were £700, and the net profit £245; capital residence; price £350, or valuation of stock and fixtures.

4.—MIDDLESEX.—Up-to-date Pharmacy; position unique; returns £1,500 per annum; net profit £350; comfortable residence, held on lease; price £900, or valuation if preferred.

5.—SOUTH LONDON (Main Thoroughfare).—Cash Retail Business; returns under management £1,000; net profit £325; full investigation invited; price £600, or £300 on entry and £325 by instalments.

6.—LONDON (Eastern District). — Ready-money Business, situate in busy shopping thoroughfare, producing a net income of £350 per annum; proof given; intending investors with £450 at command will find this a sound concern.

7.—LONDON, W. — Old-established Business; Dispensing and Retail; returns average about £600 per annum; net profit one-third; commodious shop, well fitted and stocked; price £650.

8.—LEEDS.—Ready-money Business, Retail and Prescribing; returns last year £609; profit net £150; small residence; rent £31 yearly; terms, valuation or reasonable offer.

9.—HOME COUNTY.—Mixed Business; established 1864; returns average £940, which produce a net income of £360; commodious residence with lovely garden; satisfactory reason for disposal; price £700.

10.—MIDLANDS.—Old-established Business; Cash Retail and Prescribing; returns between £750 and £800; gross profit 40 per cent.; well-appointed shop, double fronted; excellent house; held on long lease; price £550.

11.—NEWCASTLE-ON-TYNE (near).—General Retail and Photographic trade; chiefly ready money; returns exceed £1,600 (present rate); gross profit £600; price £1,100.

12.—GREAT WESTERN MAIN LINE.—Good-class Business, Retail, Dispensing, and Photographic; returns about £2,500; gross profit 50 per cent. (proof given); modern-fitted shop, fully stocked; good house; rent moderate; further details on application.

13.—GLOUCESTER (near).—Good-class Business, Dispensing and Retail, producing a net income of about £350 per annum; attractive, well-fitted shop; commanding position; rent moderate; roomy house; offer wanted.

14.—SUSSEX.—General Retail Business; returns average £20 per week; profit (net) £285; terms, lease and goodwill £100, stock and fixtures at a fair valuation.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

CHEMISTS' VALUERS AND TRANSFER AGENTS,

Telegrams: "Brett Leicester."

8 WEST STREET, LEICESTER.

Telephone: 160 Y

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal **AGENCY**.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS TO THE ENTIRE DRUG TRADE.

1.—**YORKS.**—In the busiest thoroughfare and in the centre of large manufacturing town, an up-to-date good-class Pharmacy; imposing premises; excellent house and shop; returns about £1,800; good profits; valuation, about £1,100; an excellent concern.

2.—**LONDON, W.**—Good-class Retail and Dispensing in thickly populated residential neighbourhood; several valuable Proprietaries; splendidly fitted shop and excellent house; returns £650, and increasing; price £650, or valuation; worth prompt attention.

3.—**BRADFORD Suburb.**—Mixed Cash Retail, Dispensing, and Prescribing, also Wines; old-established; in fine position; returns last year over £1,000; now about £14 per week; been neglected; can easily be worked up again; rent £35; price £120 only for quick sale.

4.—**WEST MIDLANDS.**—One of the finest Businesses in the district; pretty market town; very nice Family Retail, Agricultural, Photo, little Wholesale and Mineral waters; excellent shop and premises; returns considerably over £2,000; price, goodwill and valuation, about £1,900; very profitable; vendor will consider partner with £1,000; references required.

5.—**YORKS (on the borders of Lancs).**—A very nice General Retail, with splendid sale of own Proprietaries; good house and large shop; returns under manager £925; very profitable; price £50, and stock and fixtures at valuation; good business to be done in Optics.

6.—**DEVON.**—Good-class Light Retail and Dispensing; old-established; very nice convenient house and large garden; returns nearly £1,000; net profit over £300; valuation, about £850; part can remain; low rent; an excellent opportunity.

7.—**LANCS.**—General Light Retail in busy manufacturing town; nice shop; main street; low rent; returns £1,200; profitable; price about £550, or valuation; splendid opportunity.

8.—**LANCS.**—Good General Retail, with Wholesale in Carded Goods and Sundries, with small shops; nice shop and premises; returns about £2,000; price valuation (about £500); a great bargain.

9.—**GLOUCESTERSHIRE.**—Very nice Retail, Dispensing, and Prescribing in very pretty district; returns nearly £800, and steadily increasing; good profits; good house and shop; price £550; an excellent business.

10.—**SURREY.**—General Light Retail, Prescribing, and little Photo; no serious opposition; convenient house; old-established; returns £600; net profit £200; price £250.

11.—**DERBYSHIRE.**—Good-class Family Retail and Prescribing; convenient shop and house used in business; rent only £21; returns about £800; net profit about £250; valuation only, about £400; an excellent opportunity.

12.—**DERBYSHIRE.**—Good Mixed and General Country Retail; unopposed; nice corner shop, well fitted, lock-up; very low rent; returns over £600 under manager; profitable; price £250, or valuation.

13.—**NORTHUMBERLAND.**—Good General and Family Retail; fine lofty and commanding corner shop, in busy town; returns £300 under unqualified manager; net profit £140; can be greatly increased; price £250.

14.—**NOTTINGHAM.**—Good General Mixed Retail and Prescribing; very old established; no Patents; good premises; moderate rent; returns £600; net profit £300; price £400.

15.—**SHEFFIELD.**—General Cash Retail; been greatly neglected on account of ill health; convenient house and nice shop; low rent; returns £220; net profit about £60; price £90.

16.—**LEICESTERSHIRE.**—Good prominent position in thickly populated district; General, Retail, and Prescribing; can be greatly increased with energy; returns nearly £700; price, valuation (about £400) or offer; rent only £33.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—**HOME COUNTY.**—Good-class Dispensing and Retail Business; returns £1,000; net profit over £300; good position; exceptionally well fitted and stocked; price £760; strongly recommended.

2.—**GLOUCS.**—Good-class Retail, Prescribing, and Dispensing Business, in pleasant market town; returns £750 to £800, increasing; large shop; good position and heavily stocked; price £550, little more than valuation.

3.—**SURREY.**—Good-class Light Retail Business; in growing residential town; returns £550; no heavy trade; net profit over £200; good house and garden; charming locality; price £450.

4.—**DEVON.**—Light Retail, Dispensing, and Prescribing, with good Specialities; returns £550; scope for increase; good position; large town; attractive shop; price £350 or offer.

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6.—**CRYSTAL PALACE DISTRICT.**—Good-class Retail and Dispensing; present returns £760; neglected; has done £1,500; fine position; handsome shop; price £450 or valuation; £350 can remain.

7.—**LONDON, S.W. (12 miles out).**—Very profitable Retail; returns £13 to £14 under manager; scarcely any Patents; good position; low rent; price £150 for quick sale; trial allowed.

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11.—**SURREY (near town).**—Light Family Retail, Dispensing, and Prescribing Business; well situated; returns over £600; net profit £200 to £250; good house and shop; selling solely through illness; price £450.

12.—**NORTHANTS.**—Profitable Light Retail Business; returns over £500 under management; half profit; unique position; unopposed; stands to do £700 to £800; low rent; good house; price £400.

13.—**MIDDLESEX (10 miles out).**—Sound Retail and Prescribing Business; excellent Proprietaries; returns £450 to £550; half profit; low rent; shop is in very good position and well stocked; price £225.

14.—**SOUTH KENSINGTON.**—Good-class Retail and Dispensing Business; returns over £1,100; net profit £350 clear; very good position; well fitted and stocked; price £850.

15.—**LONDON, W.**—Good-class Retail; returns £700 under manager; good position; price £400; half can remain.

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BRISTOL Suburb.—Old-established Business; Dispensing, Prescribing, Light Retail; good sale Proprietaries; rent £50; lease; large shop (corner), well fitted; good house, bath, etc.; side entrance; small garden; net profit £252; books kept; reasonable offer or valuation; no near opposition; no agents. "Zero" (225/22), Office of this Paper.

BUXTON, Derbyshire.—To be Sold, with the Stock, Trade Fittings, etc., the Business of the late J. J. Jones, carried on at the Royal Pharmacy, Spring Gardens, Buxton. For further particulars apply Shipton & Ainsworth, Solicitors, Buxton.

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ESSEX.—For immediate Disposal, through ill-health, a reliable, well-stocked Mixed Country Business with Wines and Spirits; corner premises; returns nearly £2,000, increasing yearly; no opposition; has been worked single-handed; large house and shop; low rent. Apply, 229/6, Office of this Paper.

EXETER.—Light Retail, Dispensing, and Photographic Business; few patents; good corner shop, well fitted and stocked; returns about £550; price £350, or valuation; reason for disposal, wanting business in the North, Yorkshire or Lancashire in preference. Apply, W. J. Rogerson, "Ryecroft," Borobridge Road, Knaresborough, Yorks.

KENT.—A small unopposed Business in the centre of the cement industry, and within half a mile of the proposed new dock; returns £7 weekly under varying management; can be much increased; population 8,000; good house; rent £35; proprietor unable to give attention; easy incoming. Apply, R. Feather Clarke, 21 High Street, Gravesend.

LIVERPOOL.—Chemist-Optician Business, with good solid connection; capable of large extension; Cash trade; commanding shop; in busy main thoroughfare; handsomely fitted in modern style; convenient dwelling-house; rent, rates, and taxes £65; Sight-testing taught (if necessary) to buyer. Browne, 34 Herondale Road, Liverpool.

LIVERPOOL.—Genuine Drug-store for immediate Disposal; cash trade done; returns over £400 yearly; net profit one-third; rent £26 and taxes; satisfactory reason for disposal; opportunity for energetic man; price £230, or would accept part purchase money and balance by instalments; only genuine buyers please apply, stating capital at disposal. 182/40, Office of this Paper.

LONDON, W.—Good Retail and Dispensing Business for Sale; situated main road; attractive shop, fully stocked; convenient premises; returns £1,500; price £750. Truscott & Morris, 11 Bond Court, Walbrook, E.C.

LONDON Suburb.—High-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop handsomely fitted and well stocked; good opening for Optics; price, valuation of stock and fixtures (about £400); fullest investigation invited to genuine buyer; references required; no agents. "Confidential" (195/11), Office of this Paper.

LONDON, N.W.—Well-established Retail and Dispensing Business; good position; well stocked; returns £950; will bear thorough investigation; satisfactory reason for disposal; excellent opening for Dental. Apply, 221/34, Office of this Paper.

LONDON, W.—Two small Businesses for immediate Sale, together or separate; returns £350 and £600; exceptionally profitable; Patents almost nil; could be greatly increased with a little extra capital; accept part cash and balance by arrangement; prices, valuation (about £200 and £400). "Ozonias" (228/13), Office of this Paper.

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NORTH LONDON.—Light Retail and Dispensing; bargain; large Syphon trade (own filling); well stocked; takings last year at rate of £900; large house, corner position, side and back entrance; no immediate opposition; satisfactory reasons for selling; full particulars on application. 228/14, Office of this Paper.

NOTTINGHAM.—Old-established Business for Sale; main road; average takings for last two years £338 per annum, net £218; no patents; rent £50, part let; valuation £150, or can reduce stock. "Pestle" (227/28), Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

SHERBURN-IN-ELMET (W.R. Yorks).—Old-established Chemist's and Druggist's Business for immediate Disposal; serves a wide radius; Wines, Spirits, and Bottled Beer and Stout (off licence). Apply, Perkin & Perkins, Sherburn-in-Elmet, South Milford.

SOUTH COAST.—For prompt Disposal, profitable good-class Business; returns over £800 and increasing; exceptional opportunity in delightful and growing seaside resort; long lease; modern corner shop; large house; net profit £260; price £650. 225/35, Office of this Paper.

WEST-END Pharmacy, nicely fitted, to be Sold at low figure owing to severe illness; price only £220 for quick sale; or Partnership entertained; only intending buyers need reply. "Genuine" (226/15), Office of this Paper.

A GOLDEN OPPORTUNITY.—Chemist in London district is forced to sacrifice his Business, making net profit over £200, owing to serious ill-health; to ensure speedy sale is open to receive any reasonable offer for same; chance to be snatched at. For particulars apply, "J.," 2 Elsinore Road, Forest Hill, S.E.

ADVERTISER, through ill-health, wishes to effect a quick Sale of his profitable Light Retail and Dispensing Business in good-class London district; £850 required; or an exchange for a suitable Country Business might be arranged. Full particulars (in confidence) from "H." (224/38), Office of this Paper.

BARGAIN.—Cash Retail; well stocked; fitted mahogany; much neglected; shop and 2 rooms; suitable for beginner or Branch Store; opening for Dentistry, Optics, and Photo goods; owner leaving trade will accept first cash offer over £145. Write for interview, "H.," 25 Wallace Road, Caenbury, N.

HALF-SHARE; £80 capital; under own control; draw 40s. weekly; sole management; advertiser (aged) retiring; busy spot; practically unopposed; shopping thoroughfare, N.W.; dense population, including considerable number first-class families; scope for considerable increase; undeniable money-making opportunity for ambitious Chemist with up-to-date business methods; early succession. 226/14, Office of this Paper.

LIVING assured to hard worker; profitable old-established Business in working-class district, London, East, for immediate Disposal; little opposition; few patents; returns £400; open to every investigation; trial allowed; price all at, £150. Apply, 228/7, Office of this Paper.

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£50 cash and £150 with interest on deferred payments will buy a sound business in a S. Wales manufacturing town; large scope for increase; established 12 years. Apply, 222/2, Office of this Paper.

£100; neglected Branch Drug-store; near important London docks; returns about £7 weekly; capable of very great increase by energetic qualified Chemist; moderate rent; side entrance. 227/25, Office of this Paper.

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On view day prior and morning of sale, and catalogues may be had of the Receiver, F. M. Gillott, Esq., Chartered Accountant, 2 Gresham Buildings, Basinghall Street; Messrs. Griffiths & Gardiner, Solicitors, 4 Old Serjeants' Inn, W.C.; and of the Auctioneers, 3 Redcross Street, E.C.

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FOR immediate Disposal, on account of ill-health of the proprietor, the two following Patent Medicines some years on the market: "Dr. Wilson's Eczema Cure" and the Rheumatic Remedy Kleptorheum (the Pain Thief), capable of great extension with moderate capital only; neglected through ill-health. Address, "Pharmacy," 20 Fordham Street, Liverpool.

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NOTTING HILL, W.—Exceptional opening for Chemist in thickly-populated district; practically no opposition; fine corner shop, 50-ft. frontage, and rooms over to be let; rent only £60 per annum. Keys with Agents, Rider & Sons, 128 Ladbroke Grove, W., or Kingham & Lakeman, 10 South Molton Street, W.

WYCOMBE MARSH, near High Wycombe. Chemist's Shop to Let; rent £20, landlord paying rates; good living to suitable man with small capital. Apply, W. Mayhew, Norfolk House, High Wycombe.

TO CHEMISTS AND DRUGGISTS.—SPECIAL NOTICE.—Shop to be Let; one of the best openings in London is offered; situate in a new suburb and in a modern block of premises, the adjoining shops having been let to such well-known firms as J. Sainsbury, Parr's Bank, W. H. Smith & Son, J. Richards, and others; excellent living accommodation and every convenience; shop-front fitted to suit tenant; inspection invited. Apply for particulars and appointment to view to Chas. Death, Ardwick Road, Finchley Road, N.W.

TO Let, in one of the most desirable City positions, at the junction of Cannon Street and Queen Victoria Street, a splendid Show-room or Shop with basement; also a fine suite of Offices on first floor overlooking these most important thoroughfares. 184/50, Office of this Paper.

PREMISES FOR SALE.

TO Chemists (Manufacturing), Etc.—Deptford.—Splendid Business Premises to be Sold, with vacant possession; the valuable leasehold premises, No. 53 Broadway, Deptford, occupying the finest position in the locality, containing basement, lofty shop and upper floors, and capable of sub-division; price £3,500; £350 cash only required, balance by monthly payments, including interest spread over 20 years if desired; and making a total payment much under rental value; lease 44 years unexpired, at a ground rent of £120 per annum; caretaker on premises. For further particulars apply, H. Johnstone, 25 Moorgate Street, E.C.

PARTNERSHIPS.

B.S. (C.Lond.), Hons. Chem., also trained in Germany, desires Partnership in Wholesale Chemist's, Consulting Chemist's or Analyst's; French and German spoken; capital at command; agents ignored. 198/33, Office of this Paper.

OCCUPATION and Investment.—A young qualified Chemist required by an established Chemist and Druggist in Sussex to take part management; investment required £100 to £200, at 5 per cent. interest; good prospects. Address, "Dispenser" (176/69), Office of this Paper.

PARTNER wanted (with a view to early succession) in an old-established seaside Chemist's business; capital required about £1,000; this is an exceptional opportunity of acquiring a sound business with a minimum of risk; no agents. Address, "Veronal" (222/4), Office of this Paper.

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BUSINESSES WANTED.

A DVERTISER requires a good-class Business, returning about £1,000. Send full particulars (in confidence) to "B. A." (224/12), Office of this Paper.

A NY Business wanted—not Agricultural nor crushed by keen competition; small neglected in marketing position or good-sized common class entertained; vendors unsuccessfully answering other advertisements and prepared offer good cash value should give me opportunity by addressing usual leading particulars, rent, etc., to "Cashdown" (223/33), Office of this Paper.

MESSRS. BERDOE & FISH desire to inform intending vendors that they have a number of genuine cash buyers desirous of purchasing Businesses returning from £800 to £3,000 in the Home Counties, West of England, Midlands, and Manchester districts; strictest confidence may be relied upon; terms sent on application. Address, 35 Jewry Street, Fenchurch Street, E.C.

WANTED, middle-class business in healthy district; West or South-West preferred; good middle-class school for boys in town essential; price £350 to £400. Full particulars to "A. C." (222/1), Office of this Paper.

WANTED, good-class Retail Business showing fair amount of Dispensing and with scope for increase, within 50 miles of London preferred but not essential; terms, £200 cash, remainder by arrangement. State full particulars, including returns and net profit (must bear every investigation), in confidence, to 225/203, Office of this Paper.

APPRENTICESHIPS.

A DVERTISER would be glad to hear from Chemist, with good-class Retail and Dispensing business, willing to take an Apprentice. Particulars in first instance to 221/37, Office of this Paper.

E. W. TAYLER, Pharmaceutical Chemist and Ophthalmic Optician, Sherborne, Dorset, has a vacancy for an Apprentice.

GENTLEMANLY youth as Apprentice in high-class Dispensing business in S.W. district; small premium. Apply, "Salix," c/o Meggeson's, 14 Miles Lane, E.C.

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BERKSHIRE.—Assistant (not under 21) is offered good home and moderate progressive salary, with time off for study; must have a fair knowledge of Dispensing and Photographic work. State usual particulars and enclose photo if convenient (to be returned), to "Pharmacist" (227/36), Office of this Paper.

BIRMINGHAM.—Manager; reliable; married; permanency; good house; no Sunday duty. Apply, with photo and the usual particulars, to C. Thompson, Chemist, Sparkbrook, Birmingham.

BOMBAY.—Assistant (just through his exam. preferred) for an English firm of Chemists; two other qualified Assistants kept; passage P. & O. paid out and home; 3 years' agreement; salary first year £175, second £200, third £215. Apply, with photo and copy testimonials, to "Bombay," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

BRIGHTON.—A qualified Assistant (about 24 or 25 years of age) required by October 21; indoors; one accustomed to a high-class Retail and Dispensing business. Apply to W. H. Gibson, 122 King's Road, Brighton.

BRIGHTON.—Outdoors; an experienced qualified Assistant, accustomed to good-class Dispensing business; duties mainly Dispensing, but good counter experience necessary; age 25 to 30; unmarried; hours 9-9, Wednesdays 9-6 (summer Wednesdays 9-2); usual Sunday duty; please give full particulars in first letter and enclose photo. Apply, by letter only, J. Colby & Co., 101 Western Road, Brighton.

BRIGHTON.—Wanted, qualified Assistant; must have had good Dispensing experience. Apply, Glaisyer & Kemp, Chemists, North Street, Brighton.

CALCUTTA.—Qualified (Minor) man of good experience and first-class references required for Calcutta; age under 28; single; 4 years' agreement; passage paid out and home. Full particulars on application to 224/4, Office of this Paper.

CITY.—Qualified Manager wanted (about 30) for first-class business; outdoors. Apply, "A." (221/30), Office of this Paper.

COLCHESTER.—Required, October 25, unqualified Assistant; 26-30; single; outdoors; good all-round experience; highest references; replies not answered 4 days declined. W. Edes Everett, 34 St. Botolph Street, Colchester.

DUNSTABLE.—Unqualified Junior Assistant wanted for Light Retail and Dispensing business; outdoors; half-holiday weekly; no night or Sunday duty; inexpensive lodgings obtainable; must be of good address and had some Dispensing experience. Apply, stating age, height, references, and salary required to J. H. Herington, Pharmacist, Dunstable.

ECCLESHALL.—Wanted, for Mixed Country business, an Improver or one just out of his time. Apply, Frank T. Hudson, Central Drug Stores, Eccleshall, Staffs.

FOLKESTONE.—Junior qualified Assistant wanted in Dispensing Business. Apply, stating age, salary required, and previous experience, also enclose photograph to J. W. Stainer, Pharmaceutical Chemist, Folkestone.

ITALIAN RIVIERA.—English Assistant; good experience and address; qualified; preferably some knowledge of French. Particulars to Dr. Wassermann, Bordighera.

LONDON, N.W.—Qualified Senior Assistant wanted for Dispensing business. Apply, with full particulars, P. Davidson, Pharmaceutical Chemist, 342 High Road, Brondesbury, N.W.

LONDON, S.E.—Wanted, Junior or Improver for good-class Family and Dispensing business; first-rate opportunity for obtaining experience. Apply, Cadman & Co., 47 Montpelier Vale, Blackheath, S.E.

LONDON, E.—Wanted, a good, competent, energetic, and reliable Assistant; Prescriber and good Counterman essential; must have good reference; may be unqualified; preference given to one that speaks German; state age, experience, and salary required. Apply, with full particulars, to "Baum" (223/6), Office of this Paper.

SITUATIONS OPEN *(continued).*

LONDON, W.—Wanted, a Junior Assistant (age about 22) (indoors), accustomed to good-class Dispensing and Retail. If by letter, please state full particulars and enclose photo, Abel & Co., 108 Queen's Road, Bayswater.

LONDON, W.—Qualified Assistant, age about 40, for high-class Dispensing and modern Retail business; must be active, obliging, and good Counterman, with some Store experience. State age, salary, and experience, "Aurant," (223/34), Office of this Paper.

LONDON, S.W.—Junior Assistant; about 21; indoors; accustomed to Dispensing and Light Retail; knowledge of Optical business an advantage, but not essential; weekly half-holiday. State age, height, experience, salary required, and enclose photo, Chemist-Optician, 76 High Street, Wimbledon, S.W.

LONDON, S.W.—Required, in the Dispensary of a high-class West-end house, the services of a qualified Dispenser. Minor qualification, aged under 30; light hours, approximately 9 A.M. to 6 P.M., Saturdays till 2 P.M.; no Sunday work. Address, stating full particulars of past experience, to 1416, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, W.—Reliable Dispenser; West-end experience; qualified; personal application preferred. Heppell, 169 Piccadilly, London, W.

LONDON, W.—Wanted, smart qualified Assistant; one speaking French preferred; also a Part-time man. Full particulars to 221/31, Office of this Paper.

LONDON SUBURB.—Junior wanted (outdoors) for sharp Store business; must be quick and accurate worker. Reply, giving recent references, salary required, and other usual particulars, to 228/16, Office of this Paper.

LONDON, W.C.—Qualified Assistant for Dispensing and Counter work; good experience essential; knowledge of Photography preferred; outdoors; personal application to Mr. Wray, 8 High Holborn.

LONDON, S.W.—Wanted, qualified Assistant for October 21; aged 24-25; indoors; must be quick and accurate Dispenser. Pope Roach & Son, 8 St. James's Street, London, S.W.

MANCHESTER.—Unqualified Assistant; age under 25; accustomed Dispensing and good-class Counter, Photo trade; outdoors. Full particulars, 227/1, Office of this Paper.

MARGATE.—Wanted, early, a qualified Assistant to manage a good-class Branch business at Margate; under 35; married; state full particulars of age, height, last two engagements, and when disengaged; salary £2 2s. weekly, with unfurnished rooms. Apply, Jas. Hewlett, Messrs. J. Baily & Co., 2 Ethelbert Terrace, Margate.

MIDDLESEX, N.W.—Thirty-five minutes Charing Cross Tube; Part-time Assistant Thursdays and Saturdays, half-days tea provided. State terms, 223/28, Office of this Paper.

PARIS.—Qualified Assistant; age about 25; with knowledge of French; Continental experience preferred. "Lactose" (224/8), Office of this Paper.

ST. MORITZ (Switzerland).—Qualified English Chemist required for October 15 or November 1; extra language and Continental experience an advantage; salary 300 francs per month; travelling allowance 120 francs. Full particulars in first letter to International Pharmacy.

SCARBOROUGH.—Wanted, a qualified Assistant for first-class Retail and Dispensing. Apply, with full particulars, salary, etc. (indoors), Clare & Hunt, Scarborough.

SOUTHPORT.—Qualified Junior with experience in Dispensing and Photography. State age, height, salary required, enclose photo. Also Manager for branch in manufacturing town. Apply, Foogill, Chemist, Southport.

STRAITS SETTLEMENTS.—Required, a qualified Junior Assistant of gentlemanly appearance, well up in Dispensing; salary £15 per month with free furnished quarters. Apply, by letter only, to "S. S." c/o C. J. Hewlett & Son, Ltd., 35-42 Charlotte Street, Great Eastern Street, London, E.C.

TUNBRIDGE WELLS.—Qualified Assistant for high-class Dispensing business; indoor; two kept. State age, height, and salary required, to Howard & Son, Pharmacists, Tunbridge Wells.

WEST OF ENGLAND.—Qualified Manager, with good experience, pleasant and obliging manners, to work up a neglected business in working and middle-class district; must be accustomed to Prescribing, Photography, and General Retail; also have fair knowledge of Dispensing and able to push Specialities; only strictly sober men need apply; hours 8.45 to 8.30; small salary and share of profits; permanency to suitable man. Send full particulars to "Xasa" (226/26), Office of this Paper.

WESTON-SUPER-MARE.—Smart qualified Manager for branch business. Full particulars, naming salary required, with photo, to Ernest Widgey, Pharmaceutical Chemist.

A N Assistant (outdoors), about 30, single, required for a good-class country Retail, Dispensing, and Photographic business; good references indispensable. Apply, with the usual particulars and salary required, to Hitchman & Son, Chemists, Kettering. Applications not answered in four days respectfully declined.

A NDREW & CO., Pharmaceutical Chemists, East Finchley, N., have a vacancy for a part-time Assistant; please state time required off, salary (indoors or outdoors), experience.

C APABLE, energetic Assistant for Cash business; about 23; hours 8.30 to 8.30, Saturdays 10, close Wednesdays at 1; no Sunday work; outdoors; salary £2. Full particulars to Payne, Pharmaceutical Chemist, Maidstone.

D ISPENSER and Bookkeeper required by Medical man; must be experienced, capable, and steady. Apply, with full particulars, stating salary (outdoors) required, to C. Martin, Dagenham House, Newton Abbot, South Devon.

G REEN & CO., Swindon, require a Junior (indoors) with knowledge of Photography.

H ERBALIST'S and Druggist's.—A smart man wanted for Mixed Counter trade, Herb, Drug, Packed goods and Proprietary Medicines, with a good knowledge of General trade and used to window-dressing. Apply, by letter, giving full particulars, 222/39, Office of this Paper.

H OUSEKEEPER-Assistant; small Mixed Country business. Particulars to 224/35, Office of this Paper.

I MEDIATE Manager, view purchase; smartly-fitted shop; all stock new; badly neglected; Midland manufacturing town; now, with my system, which can be continued without charge to you for another 5 months, is just pulling up; given an energetic proprietor on the spot, cannot fail to make £5 or £6 per week net profit within 12 months; would buy it myself if I had time to attend; stock under £200; can be reduced to suit buyer; hospital contract and doctors' work attached; Optical and Photo side needs developing; no Locum need apply. Client, 701, Bernard Slack, Princes Chambers, Wolverhampton.

J UNIOR Locum wanted, at once; good Dispensing experience; references. Moorhouse, Pharmacist, Barnsley.

M ANAGER (qualified) required; good salary and prospects; must possess exemplary character for honesty and sobriety. Timothy White Co., Ltd., Portsmouth.

NORTHAMPTON GENERAL HOSPITAL.

Wanted, Assistant Dispenser. Salary 35s. per week with luncheon. Applicant must be a qualified Dispenser and competent to undertake the Developing and Printing of x-ray Photographs. Applications, stating age and qualifications, to be sent to the undersigned on or before the 8th of October.

C. S. RISBEE,
Secretary-Superintendent.

Q UALIFIED competent Assistant, age about 25 years, wanted for the front Counter in a large West-end Stores; outdoors; short hours. Apply, by letter, stating experience, age, height, and salary required, to "D. D.," c/o Street's, 8 Serle Street, W.C.

R EGISTERED or qualified man wanted; very light duties; age no object. State terms in first letter, indoors or out, 228/34, Office of this Paper.

R EQUIRED, at once, qualified Counter Assistant with knowledge of Photography; outdoors. Apply, with usual particulars, to 227/20, Office of this Paper.

R EQUIRED, Chemist's Handyman, willing to do anything and assist occasionally at Counter; age no object, but must have exemplary references as to honesty and sobriety. Apply, with full particulars, to Sheard, Chemist, Morley.

W ANTED, within three weeks, Manager for good-class country business near Portsmouth; junior kept; salary and commission; if married live over shop, if single to live in; must be good Dispenser and used to Photographic trade. Apply, stating age, height, and references (which must be undeniable), to "H.," 46 Alma Road, Southampton.

W ANTED, smart Junior, unqualified, with knowledge of Photography, for Mixed provincial business; state usual particulars and salary required (outdoors), also send photo and references from last two employers. Smith, 5 High Street, Newport, Mon.

WHOLESALE.

A NALYTICAL Chemist.—Wanted, by leading firm of provincial Wholesale Druggists; must have had some experience of Retail trade and possess some knowledge of Analytical work. Apply, stating qualifications, to 180/28, Office of this Paper.

C APABLE and energetic Clerk, age about 23, with previous experience in Wholesale Druggist's, required by City house; valuable opening for a smart man. Particulars and commencing salary required to "C. C.," c/o Street's, 30 Cornhill, E.C.

CHEMIST wanted, who thoroughly understands the Manufacture of all Quinine Salts from the Sulphate, to take full charge; state experience; good salary for first-class man. Reply to 222/17, Office of this Paper.

PRACTICAL Pill and Tablet maker; state fully experience and wages required; Manchester district. 223/1, Office of this Paper.

REPRESENTATIVE wanted for several good lines in Sundries, Dressings, etc., on good commission, for various country districts; gentlemen open to entertain may apply, stating working ground, connection, and firms represented, etc. 222/38, Office of this Paper.

REPRESENTATIVE required on commission, with established connection among Chemists, Druggists, and Patent medicine vendors; liberal terms to first-class men. Apply, by letter only, Conoid Co., 174 Corporation Street, Birmingham.

TRAVELLER.—Wanted, a smart, energetic young man to Represent an English firm of Druggists' Sundriesmen in Scotland; must have a good knowledge of the trade. Apply, stating experience, etc., to 222/28, Office of this Paper.

TRAVELLER required for South and Mid Wales by London Wholesale Druggists; must have an established connection and possess an up-to-date knowledge of Packed Goods. "Swansen" (227/17), Office of this Paper.

TRAVELLERS wanted (several) for all parts of the United Kingdom, calling upon Chemists, Drug-stores, etc., to push sale of well-advertised Proprietary Soap, Lotions, etc., on commission; samples consist of not more than five articles and can be carried in the pocket; need not interfere with present employment, and a big trade to be done in same, adding appreciably to present income. Applicants must state for whom at present travelling (if any), ground covered, age, and previous experience, to "Lactoline," at Horncastle's, Cheapside, E.C.

WANTED, fully qualified man, Major preferred, able to direct and control Laboratory; must have practical experience of Manufacturing and organising; progressive salary to suitable person. Hough, Hoscason & Co., Bridge Street, Manchester.

WANTED, for abroad, for large Photo Plate factory, Gentleman with good experience of the Technical work; must be thoroughly proficient; good salary; great prospects. Write fullest particulars, Box 1134 Judds, 5 Queen Victoria Street, E.C.

WANTED, a young man used to Pearl Coating and Sugar Coating. Apply, stating terms, etc., "Rhei" (183/39), Office of this Paper.

WHOLESALE City house have vacancy for a smart, well-educated youth, about 15; permanent and progressive situation for a capable lad. Apply, with full particulars and commencing salary required, to 184/28, Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

PARIS.—Season or permanency; previous Continental experience. "Locum," c/o Griffin, Chemist, Bath.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.]

RETAIL.

MANAGER or Senior; qualified; 6 ft.; 27; 13 years' experience. Rome, 38 Grafton Road, Bedford.

IRISH Pharmaceutical Chemist; disengaged shortly; excellent references. 222/27, Office of this Paper.

JUNIOR; 21; 5 years' experience; outdoors; Midlands preferred. Edwards, Larches Lane, Wolverhampton.

JUNIOR; 22; tall; disengaged October 18; time for study. G. Almeroth, 32 Leigh Hall Road, Leigh-on-Sea.

LADY Dispenser; disengaged October 5; qualified; 8 years' experience. "M.L." 33 Notson Road, South Norwood.

STUDENT; 23; whole or part time; Dispensing, Counter; good references. "Prima" (222/26), Office of this Paper.

QUALIFIED; tall; 9 years' good Retail and Dispensing experience; Manager or Senior. 222/3, Office of this Paper.

LOCUM or permanent; middle-aged; qualified; abstainer; disengaged October 8. "J. B.," 81 Westboro', Scarborough.

QUALIFIED; married; 23; Counter, Dispensing, Photography; outdoors; disengaged October 20. 223/7, Office of this Paper.

JUNIOR; 20; good Dispenser; excellent references; short hours or time for study. "Student," 3 Station Road West, Canterbury.

UNQUALIFIED; 24; first-class experience; Dispensing, Store, Counterman, Window-dresser. "Robert" (223/25), Office of this Paper.

QUALIFIED English Pharmacist; perfect French, sound German; 5 years' cosmopolitan experience. Billington, Rutland House, Leek, Staffs.

BRANCH Manager; London; age 35; qualified; best London, provincial, and Continental experience; best references. 222/20, Office of this Paper.

EXPERIENCED Assistant; good Dispenser. Window-dresser, Counterman; last engagement nearly 6 years. "H.," 20 Acton Lane, Harlesden, N.W.

SUCCESSION; Manager; Mixed Country business; very moderate terms; married; reliable; unqualified; Extractor, Prescriber. 222/7, Office of this Paper.

YOUNG Pharmacist desires to hear of Partnership in a good business with a view to succession; West of England preferred. Apply, 223/19, Office of this Paper.

JUNIOR (19), nearly 4 years' experience, desires permanent position in Light Retail and Dispensing business; London or near preferred. Jones, Meirion, Kidwelly.

JUNIOR; Stock or Counter; 6½ years' experience; energetic and willing; excellent references; age 22; disengaged October 9. A. Godfree, 52 Beresford Street, Camberwell, S.E.

QUALIFIED; 25; good experience; Photography; permanency; outdoors; disengaged October 16; country town preferred. "Pharmacist," The Pharmacy, Newquay, Cornwall.

LADY Dispenser; qualified; testimonials from London institution and private work; bookkeeping. "Dispenser R. F.," 52 St. Giles Street, Norwich, or 15 St. Julian's Road, Brondesbury, N.W.

LADY Dispenser; qualified; London experience, public and private, wants post; free October 11; live out; will do bookkeeping if necessary. Reply, "G. L.," 17 Brown's Road, Surbiton.

MANAGER; qualified; middle-aged; Dispensing; country and Store experience; highest references; W.R. Yorks preferred. "Pharmacist," School House, Beaumont Street, Huddersfield.

COMPETENT Assistant, unqualified, 17 years' Loudou and provincial experience, is open for engagement as Senior or Manager; age 32; tall; good appearance; excellent references. "Aspirin," 27 Egerton Road, Blackpool.

PHARMACIST; 32; married; 18 years' all-round experience; splendid references; Branch preferred. Davies, Sutherland House, Wrekin Road, Wellington, Salop.

UNQUALIFIED; Dispensing experience; excellent references; disengaged October 11; permanency; time for study. A. W. Eaton, 3 St. Thomas's Square, Ryde, I.O.W.

JUNIOR; 20 6 ft. 1 in.; abstainer; gentlemanly; 5 years' experience; Manchester preferred; outdoors; disengaged October 18, 1909. Copland, 20 Delacour Road, Blackheath.

JUNIOR (20), over 4 years' good experience, seeks situation in good Dispensing business; good references; Photographics; South preferred. W. P. Wood, Sunnybank, Cuckfield, Sussex.

JUNIOR or Assistant; 8 years' all-round experience; Swiss; speaks German, French, and English; 1 year's best West-end references; disengaged. "Cosmo," 8 Ferndale Road, Clapham, S.W.

EXPERIENCED Assistant; single; 29; capable of charge; good Dispenser, smart Salesman and Window-dresser; excellent references; at liberty Monday next. "Formalin" (225/34), Office of this Paper.

SITUATIONS WANTED *(continued).*

LOCUM; qualified; disengaged; experienced. Whitehouse, e/o 116 Abbeydale Road, Sheffield.

QUALIFIED Assistant; outdoors; Locum; tall; 38. "Vervual," 47 St. Mary's Terrace, Hastings.

STATIM; Junior; 24; unqualified; Dispensing, Photography. Bowness, Brook Street, Flimby, Cumb.

QUALIFIED; 26; disengaged; good experience; Extractor. Thomas, 193 Gladstone Road, Barry.

ASSISTANT; outdoors; unqualified; tall; 17 years' experience. "Statim," 106 High Street, Putney.

JUNIOR; 19; tall; good experience; outdoors; October 6. A. T. Hayward, Imperial Hotel, Exmouth.

DISENGAGED; unqualified; several years' experience. R. M. Lolean, 2 Rockville, Hautville, Guernsey.

SPARE-TIME, few hours daily; Chemists, Surgeons, or Agency. "W.," 123 Saltram Crescent, Paddington.

LOCUM or permanency; qualified; reliable; disengaged. "Rhei," 34 Ellingham Road, Shepherd's Bush, W.

JUNIOR; age 20; 4 years' experience; good counterman, Photography. Harlow, Station Parade, Harrogate.

LIVERPOOL district; Locum; experienced; well recommended; disengaged. "F.," 142 Jubilee Drive, Liverpool.

QUALIFIED (27), tall, requires position as Manager in good-class business. Saunder, Sock Hill, Mudford, Yeovil.

27; 10 years' London, country; capable Branch management; disengaged. "A. P.," 96 Fawe Park Road, Putney.

UNQUALIFIED; 38; 15 years' London; good salesman; permanency. Fletcher, Leeland Road, West Ealing, W.

LOCUM, Manager, or Senior; 36; abstainer; highest references; disengaged 15th. 2 Warwick Mansions, Lower Richmond Road, Putney.

ASSISTANT; 23; good experience Dispensing; working for Minor; suburbs preferred. D. Thomson, Manor House, Tenterden, Kent.

JUNIOR or Improver; 19; 3 years' experience; London preferred; salary not so much an object as good Dispensing experience. Evans, Chemist, Ammanford.

QUALIFIED lady Dispenser requires post; highest references; experienced; hospital or private practice. "Thymol," 8 The Grove, Muswell Hill, London, N.

JUNIOR; 20½; 5 ft. 11 in.; disengaged; 5 years' high-class Dispensing and Retail experience; outdoors; London or provinces. A. Edwards, 65 High Street, Rhyl.

MANAGER or Locum; disengaged October 7; permanency preferred; qualified; experienced; references; abstainer. "K.," 3 Ranelagh Road, Lupus Street, S.W.

QUALIFIED; part-time berth in London with medical man, Chemist, or hospital; evenings free essential. "R. D.," 92 Fentiman Road, Clapham Road, S.W.

AS Assistant or Manager, with Minor qualification; can be well recommended; 10 years' reference; age 50. Linbrick, Walkley's, Central, High Street, Cheltenham.

GENTLEMANLY unqualified Junior, 9 A.M. to 6 P.M.; London or suburbs; outdoors; good counterman; disengaged October 11. Jones, 2 Sedgeley Cottages, Rickmansworth.

IMPROVER; tall; part-time; Dispensing business preferred; knowledge of Counter and Photography; London only. Apply, "Statim," 43 Elizabeth Street, Belgravia, S.W.

SOON at liberty; Manager; qualified; Birmingham or Midlands preferred; excellent references; married; good experience; fair salary wanted. "Smilax," 71 City Road, Bristol.

DISPENSER (lady) seeks post; two years' experience; able to keep books; Apothecaries' Hall certificate; good references. Address, McGregor, Chubb Hill, Whitby, Yorkshire.

PHARMACIST (28), single, requires Managership; 13 years' first-class London and provincial experience; good business ability and enterprise. Clarke, 4 Boulevard, Weston-super-Mare.

ADVERTISER, 40, Major, desires good permanency, where tact, etc., and exceptional knowledge of all branches of the business will be appreciated. "Energy," 28 Marnock Road, Crofton Park, S.E.

PART-TIME or full 6 weeks; experienced. "W.," 20 Courtney Road, London, N.

JOHN PYE, 62 Lynette Avenue, Clapham Common, disengaged after Monday, October 4.

JUNIOR; 23; all-round experience; Extractor, able to take Impressions. Price, e/o Bobby, Soham.

MANAGER, Locum, First Assistant; disengaged October 11. "Codex," 32 Redburn Street, Chelsea.

LOCUM or permanency; qualified; 31; excellent references; disengaged. F. W. Manning, Fairford, Glos.

QUALIFIED; 32; tall; married; Counter, Dispensing, Photography. Stewart, 48a Swaby Road, Earlsfield.

UNQUALIFIED, aged 27, desires engagement; all-round experience. "G. D.," Cavendish, Dalton-in-Furness.

UNQUALIFIED Assistant; 20; good Dispensing experience. H. Friedland, 23 Heywood Street, Cheetham, Manchester.

MANAGER; qualified; married; London or Midlands preferred. Formalin, The Imperial Pharmacy, Westcliff-on-Sea.

UNQUALIFIED; 24; good experience; disengaged; Manchester district preferred. "Para," 72 Norfolk Street, Oldham.

NORTH; Manager; 27; 6 ft.; highest references; best experience. "Pharmacist," 17 Roslyn Road, Redland, Bristol.

ASSISTANT; tall; 28; Counter, Dispensing, Photography; unqualified; abstainer. Braid, Causeway House, Cambridge.

EXPERIENCED Locum; disengaged October 4; town or country; highest references. "Chemist," 33 Seaford Road, West Ealing.

QUALIFIED; 23; approximate hours desired, 9 to 6; City or West-End. "B. J. W.," c/o Harris, 30 King Street, St. James's, S.W.

STUDENT (22), highest references and experience, requires berth; London preferred, not essential. "Tonic," 56 Park Row, Bristol.

QUALIFIED, married, requires country appointment as Manager or otherwise; excellent references. "Spes," c/o 33 Paddington Street, London, W.

ENGAGEMENT wanted as Senior or Manager; qualified; age 30; first-class London and provincial experience. "J. L. B.," 28 South Street, Brierley Hill, Staffs.

MANAGER, Senior, or Locum; London experience; good Extractor, Optics; smart Counterman and Prescriber; unqualified. "E.," 901 Old Kent Road, London, S.E.

MANAGER; Minor; married; age 40; permanency; good experience Dispensing, Prescribing, Photography. "W.," Furze Farm, Leabholme, Grosmont, Yorks.

MANAGER; qualified; married; aged 30 years; first-class experience; tactful and energetic; Photography, Surgical Instruments. Lennon, 71 East Street, Brighton.

DISPENSER, good Prescriptionist, Surgical Dresser, and Extractor (26) desires position, any district; tall, smart appearance. "C. H. K.," 24 Spencer Road, New Southgate, N.

QUALIFIED; 25; tall; experienced; excellent references; disengaged September 27; abstainer; South Wales preferred. Lloyd, 165 Caerau Road, Caerau, Bridgend, Glam.

DISENGAGED; 24; City, West-end, and Store experience; Prescriber, Dispenser, Photography, Window-dresser; highest references; good Salesman; outdoors. Garry, 9 Tulse Hill, Brixton.

NOTTINGHAMSHIRE or Derbyshire.—As Locum or permanency; good experience; excellent Nottingham references; personal interview. Address, "Menthol," c/o 30 Smeinton Street, Nottingham.

34; unqualified; good up-to-date experience and references; disengaged next week; Locum or otherwise; competent Prescriber and Extractor. "Locum," 146 Philip Street, Newcastle-on-Tyne.

20; unqualified; Photography, Dispensing, Window-dressing, Counter; 4 years' all-round high-class experience; excellent references; abstainer; disengaged. Foster, Osborne Villa, London Road, Buxton.

JUNIOR; 22; good Dispensing, Counter, Photographic experience; disengaged; abstainer. Hancock, 12 Chantry Road, Brixton, S.W.

ASSISTANT; 36; competent and reliable; Dispensing, Counter, and Photography; 15 years' experience; energetic, unqualified. 227/15, Office of this Paper.

JUNIOR or Locum; exceptional experience; tall; 23. "Dispenser," 44 James Street, W.

QUALIFIED (29), married, desires good permanency as Branch Manager. 226/18, Office of this Paper.

CAPABLE Assistant; unqualified; aged 27; experienced; outdoors. "X. Y. Z." (227/16), Office of this Paper.

JUNIOR; 21; tall; best experience and references; disengaged soon. A. Jackson, 524 Hornsey Road, London, N.

DISENGAGED; good-class country experience; unqualified; abstainer; neat worker. Vawser, 15 High Street, Grantham.

LOCUM or Manager; qualified; good Prescriber; elderly, active; disengaged October 11. "Senex," 242 Welholme Road, Grimsby.

DISENGAGED; qualified; 26; West-end and country experience; excellent references; good Dispenser. 226/7, Office of this Paper.

JUNIOR (22), disengaged, requires Whole or Part-time situation; high-class Dispensing experience. Apply, 226/32, Office of this Paper.

SURGERY Assistant and Dispenser; qualified; experienced; reliable and steady; nearly full curriculum. 226/63, Office of this Paper.

MANAGER or Senior with view to succession preferred; 33; qualified; single; disengaged. Apply, 225/23, Office of this Paper.

DISENGAGED October 4; Manager, Locum, or permanent; thoroughly experienced and reliable; highest references. "B," o/q Messrs. Woolley, Sons & Co., Ltd., Manchester.

DISPENSER, lady, qualified. Hospital experience, requires post; Locum or permanent; Doctor, Institution. 226/19, Office of this Paper.

ASSISTANT; tall; experience; recently in charge; Photography; S.E. preferred; outdoor. "Asperin," 34 Grosvenor Terrace, Camberwell.

PART-TIME; qualified; Branch Manager or Assistant in Edinburgh or London; reading for higher examinations. 226/30, Office of this Paper.

MANAGER, Assistant, or Locum; qualified; 32; good varied experience; disengaged; provinces preferred. "Salol," Glendale, 40 Worcester Villas, Hove.

UNQUALIFIED, tall (27), good-class Dispensing, Counter, and Prescribing experience, seeks good situation; permanency. Haigh, Helme-Leigh, Meltham, Huddersfield.

JUNIOR; 20; Photography; good Counter and Dispensing experience; good references; in or out doors; Durham or Yorkshire preferred. Address, Metcalfe, Silver Street, Masham, Yorks.

JUNIOR; 8 years' experience; tall; good Counterman, Dispensing, Photography; must have little time for study (at shop); country preferred. "Rhotox" (227/14), Office of this Paper.

ASSISTANT (30), unqualified, seeks permanency in Birmingham or Midlands; undeniable references; Extractor; London and Provincial experience. "Melol" (221/32), Office of this Paper.

MANAGER, Locum, or Assistant; exceptionally good all-round high-class Store experience; excellent references; work up business; correspondence invited; disengaged. 226/28, Office of this Paper.

ADVERTISER, unqualified, married, seeks permanency; aged 26; excellent references; sound experience; capable of managing small drug-store or branch; free end of October. 227/12, Office of this Paper.

UNQUALIFIED; 14 years' experience; single; 5 ft. 8 in.; energetic, sober; Dispenser, Photographer, Counterman; excellent references; outdoors; disengaged; London or near. 226/40, Office of this Paper.

YOUNG man (23), tall, Drug-store or otherwise, can be really useful where own Proprietaries feature; energetic, willing; disengaged. "Aspirin," 45 Archer Street, Pratt Street, Camden Town, N.W.

PERMANENCY required by advertiser; unqualified; 26; married; undeniable references; sound experience; knowledge Photography; Assistant or manage Branch. "October" (227/102), Office of this Paper.

MANAGERSHIP; branch or otherwise; permanency desired; qualified; 27; abstainer; good Prescriber and Counterman, Photography; continental experience; highest testimonials; West of England preferred. 227/9, Office of this Paper.

MANAGER; age 48; long experience in Side-lines. Surgical Instruments and Appliances, Optics, Photographic, Chemical Apparatus; abstainer; just returned from health trip abroad; student, triple prize medallist. Major. Ashfield, Farnworth, Bolton.

HOSPITAL Locum; qualified. Irving, 116a New Kent Road, London.

JUNIOR (21) requires situation in North. Phillips, 8 Flass Street, Durham.

MANAGER; qualified; 30; good all-round experience; Photography. 225/38, Office of this Paper.

LOCUM.—Pharmacist; disengaged; town and country experience. Price, Brynamlwg, Crowboro', Sussex.

DISPENSER to doctor;—young, single; highest references. "M.," 28 Lorrimore Road, Kennington.

UNQUALIFIED; 32; good all-round experience; moderate salary. "Phenol," 87 Grange Street, Burton-on-Trent.

DISPENSER in or near London; disengaged middle of October; highest references. 225/32, Office of this Paper.

QUALIFIED; 26; Dispenser, Counterman; reliable; Prescriber; North. Brown, Maison Dieu, Richmond, Yorks.

ABSTAINER; good all-round experience, Counter, Dispensing, Photography. "Assistant," 52 Cameron Road, Derby.

PART-TIME; evenings, Saturday afternoons; excellent experience, references. "F. S.," 141 St. George's Road, Southwark.

LOCUM; qualified; disengaged September 10. "Chemist," 109 Fentiman Road, S.W.

PART-TIME; tall; 26; excellent experience and references. 225/19, Office of this Paper.

PART-TIME or short hours; London or near; experienced; 25. "Abstainer," 144 Major Road, Stratford, E.

DISPENSER, Bookkeeper; reliable, accurate; references; moderate salary. "Abstainer" (227/21), Office of this Paper.

QUALIFIED; 23; excellent Dispensing experience; best references; disengaged. "A. C. W." (224/24), Office of this Paper.

LOCUM (35), disengaged September 30, open immediate engagement; excellent references; qualified. 227/81, Office of this Paper.

QUALIFIED; Senior or Manager-Assistant; 27; high-class Pharmacy; disengaged October 20. "Nepenthe" (225/9), Office of this Paper.

MANAGER; qualified; married; 16 years' experience; permanency; splendid references. Apply, "Honesty" (224/103), Office of this Paper.

UNQUALIFIED (37), married, seeks permanency; Extractor, Photography; abstainer; present situation 8½ years. 224/30, Office of this Paper.

MANAGER, qualified, requires temporary until suitable permanency appears; all-round experience. Apply, "Counterman" (224/13), Office of this Paper.

ASSISTANT; unqualified; honest, trustworthy, hardworking; Retail and Photography, or Dispenser; disengaged; permanency preferred. 223/37, Office of this Paper.

DISENGAGED; Locum or otherwise; competent, energetic Assistant; Prescriber, etc.; aged 39; married. "Squills," 44 Southcroft Road, Tooting Junction, S.W.

LADY, unqualified, desires post with Doctor or Institution; knowledge of booking; 4½ years' experience with Chemist; Lancashire district preferred. Apply, 224/20, Office of this Paper.

QUALIFIED, 20 years' experience, knowledge Italian and French, seeks, immediately, responsible position; used to staff control; reliable references; interview possible. 227/18, Office of this Paper.

UNQUALIFIED Manager or Assistant; expert Tooth Extractor and Prescriber; work neglected business with view interest; London or Suburbs; married; moderate salary. "Ideas" (228/40), Office of this Paper.

SMART Branch Manager, Assistant; undeniable reference as manager; competent; unqualified; 31; married; abstainer; moderate salary; comfortable permanency. "Prescriber" (227/201), Office of this Paper.

ASSISTANT; unqualified; 30; Extractor; good knowledge of Mechanical Dentistry, Photography, Counter, Dispenser; accustomed to manage Branch; desiring permanency; Scotch. 225/12, Office of this Paper.

DISENGAGED; thoroughly energetic business man; excellent Prescriber and Counterman; specially adapted to a business requiring energy and tact; Locum or permanent; abstainer. "G. H.," 5 Camden Road, N.W.

SITUATIONS WANTED (continued).

SMART Assistant; unqualified; salary 25s.; permanency. "Phylalene," 95 Waterloo Road, Aldershot.

MANAGER; qualified; good all-round experience; abstainer. Troughton, 15 Owen Road, Wolverhampton.

COMPETENT Assistant requires berth; permanent or temporary. "Hypo," 3 Clarence Gardens, Regent's Park.

ASSISTANT; outdoors; unqualified; 32; disengaged; moderate terms. "Assistant," 37 Lenton Road, Hackney, N.E.

DISENGAGED; Locum or Term; Chemist or Surgeon; abstainer; highest recommendation. "T., 173 Seven Sisters Road, N.

MANAGER or Assistant; qualified; 30; high-class Retail and Dispensing experience; unmarried. "A. E." (228/28), Office of this Paper.

BY elderly gentleman, engagement as Manager or Locum; qualified; good experience and references. W. P. Swift, 12 Wyndham Street, London, W.

DISPENSING or Retail; neat, energetic Counterman; thoroughly trustworthy; had sole charge 7½ years; unqualified; small salary. W. Kemp, 160 Borough Road, S.E.

DISENGAGED; 30; qualified; Manager or Senior; good-class Retail and Dispensing; thoroughly competent. "Chemist," c/o Barnett, 97 Great Tower Street, London, E.C.

MANAGER, Locum, Assistant; qualified; thoroughly experienced; excellent references to date; reliable and trustworthy; town or country. "Amidol," 179 Blackstock Road, Highbury, N.

UNQUALIFIED; 24; tall; 9 years'; Dispenser, Counter, Window-dresser, Photography, Prescriber, Extractor; Manchester or district preferred; good references. Lawton, c/o Thresh, Chemist, Buxton.

MANAGER; London; outdoors; Major qualification; tall; thoroughly experienced in Dispensing, Photography, General, Retail, and Light Wholesale. "A., 11 Norton Folgate, Bishops-gate, N.E.

ASSISTANT or Manager, West-end Dispensing experience, seeks permanency, or at liberty Tuesdays, Thursdays, Fridays, or Sundays; thoroughly competent. 7 Broomcroft, Antrobus Road, Acton Green.

COMPETENT practical business man; good Dispenser, Prescriber, smart Salesman; highly recommended; City, Suburban experience; Locum; permanency preferred; married. Forster, 5 Coleridge Road, Finsbury Park, N.

WHOLESALE.

AS Traveller or responsible position in office; experienced. "X., 113 Edridge Road, Croydon.

SMART Traveller (32) desires berth; expenses and commission. 156 Capel Road, Forest Gate.

TRAVELLER desires additional Side-line; London district. "Salesman," 10 Alexandra Road, Finsbury Park.

WANTED, situation as Warehouseman, etc.; 8 years' experience; references best obtainable. F. Briggs, 3 Kebir Terrace, Gainsborough.

STUDIOUS young Pharmacist seeks position; Analytical Laboratory experience; part-salary. "Aspirin" (225/28), Office of this Paper.

EXPERIENCED, qualified Chemist; Laboratory, Specialities, or Warehouse; able worker, capable Organiser. 225/1, Office of this Paper.

ANALYTICAL Instruments, Sundries, for Doctors, Chemists, abroad, on commission. Write, "Roberts" (224/19), Office of this Paper.

YOUTH (20) desires situation as Packer or Warehouseman; 4 years' experience; quick and careful. "J. J. B., 25 Peckham Park Road, S.E.

PHARMACIST, resident Manchester district, open to Represent good firms; commission and part expenses. Apply, 223/14, Office of this Paper.

WORKS Manager or Chemist; practical knowledge all Departments, including Fine Chemicals. "Laboratory" (224/29), Office of this Paper.

YOUNG man seeks situation in Showrooms, Druggists' Sundries or Patent house; disengaged. Fell, c/o Mr. Davis, 49 Imperial Buildings, Ludgate Circus, E.C.

CLERK, with practical experience in manufacture of Essences, Floral Ottos, and Toilet preparations; first-class references. "G. S., 269 Sherrard Road, Manor Park.

REPRESENTATIVE; 32; possessing experience and connection Medical men various parts England and Wales; disengaged. "M., c/o H. Baxter, 25 Mark Lane, London.

ADVERTISING man, with sound knowledge of Pharmacy and some travelling experience, desires change; could work up small "Patent." 228/19, Office of this Paper.

TRAVELLER, active, good appearance, to Represent Sundries and Surgical Dressings House; good connection South Coast and part London. Apply, "Powder" (223/38), Office of this Paper.

LADY requires responsible post; 10 years' experience, Wholesale and Retail; good references; energetic; last 4½ years in Wholesale London firm; disengaged. "L. E., 46 Pembury Road, Tottenham, N.

ADVERTISER, experienced in the manufacture of Chemicals, Essential Oils, and Galenicals, economical and efficient Manager, with special knowledge of plant and machinery, seeks post. "A. D." (225/24), Office of this Paper.

CHEMIST, abstainer (young), practical knowledge Wholesale, Retail, all departments, including Office work, Invoicing, Pricing, Bookkeeping, accustomed to control, desires position; undeniable references. 225/27, Office of this Paper.

REPRESENTATIVE; qualified Chemist (age 30) requires post as Traveller to good house; excellent knowledge of Drugs, Sundries, Photography, and Surgical Instruments; self-reliant and tactful. R. J. Lennon, 71 East Street, Brighton.

PRINTER'S Manager seeks engagement with Wholesale House doing own printing; Labels, Lists, Cartons, etc.; organiser and disciplinarian; practical in all branches; good references. "Label," 76 Shackleton Lane, Dalston, London, N.

TRAVELLER, experienced commercial training, smart salesman, open to Represent first-class house; Essences, Oils, Perfumes, etc.; sound connection Manufacturing Confectioners, Mineral-water Makers, Chemists. Apply, 208/28, Office of this Paper.

TRAVELLER, representing well-known London firm in four Northern Counties and principal towns in Scotland, requires additional Agency, not competing with Toilet Soaps and Skin Preparations; part expenses and commission; thorough knowledge of the drug-trade. Apply, 227/5, Office of this Paper.

MEDICAL Representative desires re-engagement; anxious to create demand for special preparations; 6 years' unique experience in this capacity; most successful interviewer; well acquainted with the members of the profession; full medical curriculum; passed part of final examination; age 35. 227/71, Office of this Paper.

DO YOU WANT a live Traveller with a live connection Advertiser is in touch with buyers amongst Chemists, Stores, Institutions, etc., North England, Scotland, Ireland, South England, South Wales, and open to Represent on commission any first-class houses in Drugs, Sundries, or allied trades. Apply, "Traveller," 3 Merton Road, Walthamstow.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 614 Lee Green.
SHARES FOR SALE (free of commission, subject).—100 Allen & Hanburys' "A" 6 per cent. Prefs., 24s. 9d. x.d.; 70 "B" 6 per cent. Prefs., 23s. 10½d. x.d.; 100 Quinine Bitters, 9s. 6d.; 300 Idris "A" 6 per cent., 5s. 4½d.
WANTED (subject).—50 Camwal Prefs., 4s. 6d.; 30 Ordinary, 1s. 3d.
List of shares for sale and wanted sent free on application. Bankers, London County and Westminster. Established 1898.

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By special arrangements with the Publishers of a monthly Journal, I am presenting free to all my Clients every month this additional help to my system. My fee remains the same, though my expenses are continually increasing. Get my sole services for your locality, and have the best Winter's business you have ever had. Booklet free. Do not write to-morrow, but now.

BERNARD SLACK, Princes Chambers, WOLVERHAMPTON.

CHEAP SECOND-HAND FITTINGS, BOTTLES, ETC.—1 3 and 5 grain (reversible) pill-machine, 12s. 6d.; 12 30-oz. blue syr. bottles (gold labelled), 12s.; 150 stoppered bottles, 1. and 2 pint (gold labelled), 60s.; 12 2-lb. pink jars, dome top, 28s.; 1 6-ft. bevelled mirror-centre dispensing-screen (very fine), 45s.; 1 3-ft. bent-glass front counter-case, 40s.; 1 12-ft. range of drug-drawers, gold labelled and glass knobs, 46s.; 144 shop-rounds, gold labelled, 25 15s.; 6-ft. bent-front counter-case, 44 15s.; set of plate-glass window shelves, with tapped bars and brackets, 30s.; set of ditto, 6 ft. long, 63s.; handsome globe lamp, 60s. R. TOMLINSON & SONS, Headquarters for Chemists' Shop-fittings, Bond Street (Cable Tram Route), Birmingham.

SECOND-HAND BARGAINS in Chemists' Shop-fittings. Wall-cases, Drug-fittings, Counters, Counter-cases, Dispensing-screens, etc., 1,000 different articles, which must be cleared this month. Call, write, phone, or wire to PHILIP JOSEPHS & SONS, LTD., 95 Old Street, London, E.C. Telegrams, Cosiphiah, London; 'Phone, 9057 London Wall. Please note.—Business entirely closed on Friday, October 1.

WE HAVE WHAT YOU REQUIRE. Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

ANALYTICAL Chemist is prepared to undertake general Pharmaceutical and Agricultural Analyses in his own Laboratory. Apply, stating requirements, to "Analyst" (222/24), Office of this Paper.

DENTISTRY.—Tuition given, Operative and Mechanical (if desired at your own residence), by former Tutor and Demonstrator for Dental Exams.; over 200 successful candidates. The "Acme" amalgam, non-shrinking, antiseptic, saves teeth where other amalgams fail; direct from proprietor, 8s. per oz. Terms, "L. D. S.," 3 Northgate, Devizes.

TO APPRENTICES, JUNIORS, ETC.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. Charles Harker, 299 Chapter Road, Cricklewood, London, N.W.

SYNTHETIC Perfumes.—Technical Maker of Perfumes, with practical experience, is prepared to provide processes of manufacture at cheap rates. Offers under the style of "Lucrative" (208/5), Office of this Paper.

Re ANNIE WYCHERLEY, Deceased.

PURSUANT to the Act of Parliament of the 22nd and 23rd Vict., c. 35, intituled "An Act to further amend the Law of Property and to relieve Trustees."

NOTICE IS HEREBY GIVEN that all creditors and other persons having any debts claims or demands against the estate of ANNIE WYCHERLEY, late of "Ashfield," Broughton, near Preston, and 27 Lancaster Road, Preston, in the County of Lancaster, Chemist and Druggist, deceased (who died on the 31st day of August, 1909, and to whose estate letters of administration were granted out of the Lancaster District Probate Registry of His Majesty's High Court of Justice on the 15th day of September, 1909, to Mary Archibald and John Ralph Nuttall) are hereby required to send in the particulars of their debts claims or demands to us the undersigned the Solicitors for the said Administrators on or before the 1st day of November, 1909, after which date the said Administrators will proceed to distribute the assets of the said deceased amongst the persons entitled thereto having regard only to the claims and demands of which they shall then have had notice, and they will not be liable for the assets of the said deceased or any part thereof so distributed to any person or persons of whose debts claims or demands they shall not then have had notice.

Dated this 25th day of September, 1909.

WARD & NEWSHAM,
7 Lune Street, Preston,
Solicitors for the said Administrators.

TO MINOR STUDENTS.—Simplified postal lectures on Chemistry, Pharmacy, Materia Medica, Botany, and Physics, covering the requirements of Syllabus; an ideal course for private students or those engaged in business; these lessons are arranged so as to assist those with limited time in overcoming difficulties; very moderate terms. For further particulars apply to Harker & Saunders, 239 Chapter Road, Cricklewood, London, N.W.

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A BOOM IN BUSINESS.

This is what I am trying to bring to Pharmacists, and for this reason have worked an original and attractive scheme (which as a Pharmacist says this week, "is extremely smart, bright, and attractive") in addition to my Business Pulling System. You have twelve more weeks left to Xmas, and only nine more before you should commence this campaign. Only one Pharmacist in a town supplied, and everything as far as possible will be copyright. Booklet, "How to INCREASE YOUR BUSINESS" sent post free to Pharmacists on receipt of postcard.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.

EXCHANGE COLUMN

FOR DISPOSAL.

BOOKS AND PERIODICALS.

WHAT offers? "Optician's Manual" (Vol. I.), "Practical Agricultural Chemistry," Potter's "Cyclopaedia of Botanical Drugs," "Urine Analysis" (C. & D.), all new; "Diseases and Remedies," "Art of Dispensing" (6th ed.), and Knight's "Materia Medica"; all in good condition. SPANION, Seven-scorey, Ramsgate.

ATFIELD'S, 5s.; Newth's, 4s.; Perkin Kipping, 4s., 1s. 6d.; Stainer's, 6d.; Clayton's "Analysis," 6d.; Jones's, 1s.; Organic Minor, 9d.; "Materia Medica," Greenish, 6s.; Southall's, 5s.; "Botany," Edmond's, 1s.; Bower's, 1s. 6d.; Lowson's, 1s. 9d. and 1s. 6d.; Scott's, 1s.; Vine's, 4s.; good condition. Fox, 281 Lyham Road, Brixton.

DENTAL.

ASH'S wood dental chair; 13 pr. forceps; 2 safety razors. "T. M." 64 Haseldine Road, Chiswick, S.W.

12 DENTAL forceps in splendid condition; accept 18s. PARKER, 114 Portland Road, South Norwood.

DENTAL chair, Ash, vulcanisers, lathe, bellows, press, gas bottle and stand, other dental accessories. 226/17, Office of this Paper.

GREAT Bargain.—Eight silver-plated best quality dental forceps (Maw & Son), nearly new, and two teeth-stopping instruments; the whole highly finished and silver-plated; packed in leather case; price 2 guineas, or offer; cost seven. Apply, E. MURCH, 148A North View Road, Hornsey, London, N.

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1 OZ. ol. neroli; 3 oz. ess. ambergris; what offers? BUTLER, Ledsam Street, Birmingham.

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EMBROCATION.—Send a penny stamp to A. SHEPPERSON, Kirtou. FORMULA for sale; black boot-polishes. FRANCIS, 42 Varsity Road, London, N.

EMBROCATION.—Exact imitation; fine product; costs under 2s. 6d. gal.; sample 3d.; formula 10s. 6d. 228/38, Office of this Paper.

VETERINARY Medicines.—If you want good formulæ buy from the inventor; Redwater, Scour, Hoose, Colic, Worms, Sores, etc.; 2s. each; 12 for 10s. DODDS, Crumlin, Antrim.

FORMULA £1 cash, or exchange for saleable stock.—Proved rheumatic, rheumatic gout, lumbago, sciatica, etc., mixture; every patient satisfied, not one disappointment; reference and testimonials; suitable as a counter speciality or patent medicine. Apply, Mr. Leonard Stanley, 42 Main Street, Carlton, Nottingham.

RELIABLE money-making formulæ with 25 years' record. Following make useful, profitable and seasonal preparations: "Maltussine," excellent all-round cough-syrup, very pleasant taste, rapidly efficacious; "Vigorade," phosphated fruit syrup, for warming winter drinks, inexpensive and exhilarating, resembles zoeadone; "Vir-ung," general family ointment, cures eczema and all skin troubles, soothing and healing; "Floral Cream," lovely inseparable white emollient, non-sticky, entirely absorbed, an elegant beauty adjunct, very profitable; "Circassian Stimulant," gives new life to old hair, a certain hair-grower, non-greasy, nothing better or more reliable on market; "Ferfosco," nerve and brain tonic, for both sexes, contains hypophosphites and damiana, well tried and proved, small doses; "Cherryfoam," an ideal saponaceous liquid dentifrice, delicious odour, very persistent taste. Recipes 2s. 6d. each, 5 for 10s., with full instructions and particulars. Samples 6d. each, all post free. Twenty-five labels free with above last six. TOM BROOKS, Chemist, Hornsey, London, N.

OPTICAL AND PHOTOGRAPHIC.

FIVE-GUINEA microscope (Smith & Beck); 2 objectives, 2 eyepieces; coarse and fine; perfect; half-price. BONE, Richmond Road, Kingston-on-Thames.

SHARES.

SHARES for Sale. See p. 68.

SHOP FITTINGS.

SHOP-ROUNDS (secondhand) wanted, cheap for cash. NEILL, 84 Park Avenue, Barking.

GLDHIILL cash till, new; taken for debt; value 2l. 12s., accept 1l. 10s. 227/108, Office of this Paper.

DOORWAY show-case, good condition; also second-hand drug-drawers. Offers, CROUCH, 47 Gresham Street, E.C.

SCALES, pillar and beam, to weigh 1 lb., as Sanger's list, p. 116, fig. 1, nearly new; 25s., carriage paid. STONE, Chemist, Watford.

FOUR 8-gal., 2 2-gal. pear-shape window show bottles; good shape; cut stoppers; what offers, cash or exchange? ETTLES, Sheerness.

MAHOGANY and plate-glass front serving-counter, 7 ft. long; also mahogany and plate-glass perfume-case and desk, plate-glass mirror back; a bargain. COOK, 8A Cross Street, Islington.

MISCELLANEOUS.

MEDICAL chair (Harvard); good condition; all parts complete, with instruction card; 45s. E. GERRISH, Pharmacist, Bideford.

WANTED.

TILIA diabetic biscuits. State lowest price, NEEDHAM, Chemist, Huddersfield.

PUNCTUMETER wanted. State price, PARKER, 130 Westgate Road, Newcastle-on-Tyne.

CHEMIST lamp; good condition; state particulars, lowest price. Address, 324 Caledonian Road.

LATEST "Pharmaceutical Formulas"; must be cheap. Price, "A," 34 Monkton Road, Jarrow.

SECOND-HAND fittings and shop-rounds wanted, at once; must be cheap. 227/37, Office of this Paper.

MINOR Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWEN, Bookseller, Waterloo, Liverpool.

CHECK-TILL wanted: Stokes; preferred: must be in good condition; cheap; also Ince's "Latin Grammar." TURNER, Chemist, Biggleswade.

PLATINUM.—Few hundred ounces wanted for re-melting. Write, ROWSELL, 11 Crebor Street, Dulwich, Platinum Specialist. Established 1886. Reference, London and South Western Bank.

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College Notes.

LONDON COLLEGE OF PHARMACY.—The students attending this College, accompanied by Messrs. Wootton and Kirkland, were shown over the laboratories of Messrs. Parke, Davis & Co., at Hounslow, on Wednesday afternoon. The company, which included several lady students, numbered fifty-nine. After tea had been served in the club-rooms Mr. Wootton proposed a vote of thanks to Parke, Davis & Co. for their kindness. This was given with musical honours and acknowledged by Mr. T. Maben.

GLASGOW AND WEST OF SCOTLAND TECHNICAL COLLEGE.—Particulars of the classes for pharmaceutical students are now available, and can be obtained from Mr. Peter Bennett, Hon. Secretary of the Board of Studies. The course extends over three years. In the first year inorganic chemistry and botany are taken, in the second inorganic chemistry and materia medica, and in the third organic chemistry and pharmacy. The pharmacy lectures (twenty-five) by Mr. James Grieve, Ph.C., commenced on Friday, September 24, at 8 p.m., and the materia medica lectures (twenty-five) on Tuesday evening, September 28, at the same hour. Professor G. G. Henderson, D.Sc., lectures on chemistry, and Dr. David Ellis on botany.

Coming Events.**Monday, October 4.**

Medical Exhibition, Royal Horticultural Hall, Vincent Square, Westminster, S.W., at 12 noon. Exhibition opens, and remains open till Friday evening.

National Union of Assistant Pharmacists, Crown Hotel, Newcastle-upon-Tyne, at 8.15 p.m. Inaugural dinner of Newcastle branch. Tickets (3s. each) from Mr. J. Elder, 2 Guildford Place, Heaton.

Tuesday, October 5.

Bradford Chemists' Association, Rawson Hotel, John Street, at 9 p.m. Buying Section.

Wednesday, October 6.

Western Pharmacists' Association, Restaurant Frascati, Oxford Street, London, W., at 8 p.m. Social reunion. Tickets (2s. 6d. each) from C. T. Allen, Hon. Secretary, 20 High Road, Kilburn, N.W.

Thursday, October 7.

Great Yarmouth Pharmaceutical Association, 156 King Street, at 8 p.m. Monthly meeting.

St. Vincent Association, Café Monaco, London, W. Annual dinner.

Chemists' Assistants' Association, 73 Newman Street, Oxford Street, London, W., at 8.30 p.m. Presidential address by Mr. F. L. K. Loxley.

Friday, October 8.

Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C., at 8 p.m. Annual meeting and address by Miss May Thorne, M.D., F.R.C.S.I., on "The Power of Little Things."

THE ANNUAL DINNER of the Bournemouth Pharmaceutical Association is to be held at the Gervis Hall Restaurant on October 23. Tickets (5s. each) from Mr. W. A. Bingham, Hon. Secretary, 58 Chancery Lane.

THE SECOND INTERNATIONAL CONGRESS for the Repression of Adulteration will take place in Paris from October 17 to 24. Mr. London M. Douglas, 3 Lauder Road, Edinburgh, is the General Correspondent for the United Kingdom.

THE MENDELÉEFF MEMORIAL LECTURE will be delivered by Professor W. A. Tilden, D.Sc., F.R.S., before the Chemical Society on October 21.

The Week's Poisonings.

TWENTY-TWO fatalities, of which ten were misadventures, have been reported during the week.—At Preston a veterinary surgeon named Joseph Darbyshire (55) committed suicide by taking cyanide of potassium. Mr. Darbyshire, who suffered from paralysis and rheumatism, left a letter saying that of late he "had not been able to earn salt."—Francis John Sheppard (16), a chemist's apprentice at Weston-super-Mare, used prussic acid for lethal purposes. Mr. Edwin Norman, Ph.C., 55 High Street, Weston-super-Mare, deposed at the inquest that deceased had shown signs of ungovernable temper, and in consequence had been sent home. A bottle of prussic acid was missed from the poison-cupboard on the same day as the unfortunate boy left. Suicide during a fit of temporary insanity was the jury's verdict.—The two-year-old daughter of Mr. Alfred Strong, chemist, Durham, died from the effects of strychnine poisoning. The infant obtained a bottle of Easton's syrup tablets, which the mother had just placed in a drawer, and swallowed some with fatal results.—Death from misadventure was the verdict recorded at the inquest on Dr. Rhodes, of Didsbury, who died from an overdose of strychnine. Deceased, who suffered from a weak heart, informed his nephew, Dr. Rhodes, jun., that he had taken 10 minims of liquor strychninae. The latter administered 2 drachms of potassium bromide, but the sufferer soon afterwards collapsed and died.—The same verdict was returned at the inquest on Dr. John K. Tomory (49), of South Norwood, who died from morphine poisoning.—Two deaths have resulted from accidental overdoses of chlorodyne.—Arthur E. Opperman (39), assistant theatre manager, died at Streatham from "syncope from chlorodyne poisoning acting on a fatty heart." Deceased said he had taken 25 drops of the chlorodyne, while the same narcotic caused the death of Robert R. Leighton (36), Broadchalke. It was stated at the inquest that deceased was fond of taking medicines to excess.—Chlorodyne was taken for suicidal purposes by Eliza Bailey-Green (62), Landport.—Death from misadventure was also the verdict on Martha R. Green (21), who poisoned herself at Cardiff by taking laudanum for insomnia. Deceased purchased the opiate from several chemists in small quantities.—Jessie Leetch (50) died at Dublin from shock following burns caused by carbolic acid. At the inquest the jury found that the burns were self-inflicted during temporary insanity.—At Acton, Middlesex, a butcher named John Diver committed suicide by taking carbolic acid.—Mary E. Thompson (19), servant, was found dead in an allotment garden at Lower Sydenham with a bottle containing oxalic acid by her side.—At Hackney Florence Adams, the wife of a naval petty officer, also ended her existence by taking oxalic acid.—A Stourbridge locksmith named Richard Rogers (53) took spirit of salt for suicidal purposes.—At the inquiry into the death of Beatrice K. Rogers (18), nurse, the jury found that deceased died from spirit-of-salt poisoning, but that there was no evidence to show how or by whom the poison was administered.—At Liverpool Thomas Marsden, cycle-repairer, who was found with his throat cut, died in the Southern Hospital from the effects of taking spirits of salt.—At Kingston-on-Thames, Dorothy Hilda Miles (15) took a quantity of nitric acid with suicidal intent. During her agony she leaped from a second-floor window, but Dr. Owen deposed that death was due to poisoning. The Coroner in his comments said that deceased was supplied with a "very large quantity" of the acid as a wart-cure some three months ago, and that, although the bottle bore a red label, the latter did not contain the word "Poison." The Coroner said that chemists, even though they were not breaking the law, "should use a proper amount of common sense and discretion."—Depression through intemperate habits caused Ella E. J. Horton to commit suicide by taking salts of lemon.—At Inworth, Walter Coult (3) drank a quantity of his mother's eye-lotion, which he found upon a shelf in the front room. He died the following day from belladonna poisoning.—Daniel McLaughlin (9) and Jas. H. Elis (5), of Trannere, died from the effects of eating the berries of the Woody Nightshade (*Solanum Dulcamara*).—"Too strong a dose" of a sleeping-draught was responsible for the death of Elizabeth Davison at Hopkinstown.—At the inquest on Mr. James W. Scott (C. & D., September 25, p. 516) the jury found that death was due to prussic-acid poisoning, but could not decide whether the poison had been taken for suicidal or medicinal purposes.

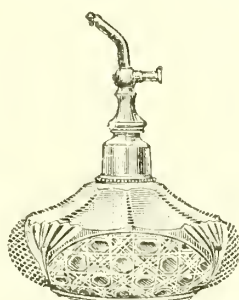
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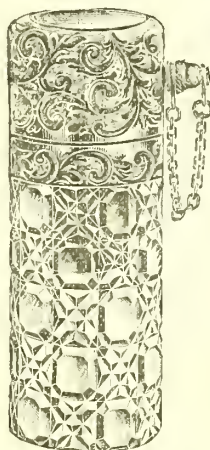
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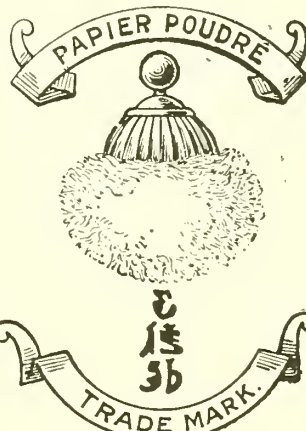
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FORMALIN THROAT TABLETS.



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from Diphtheria, etc.

In Amber Bottles,
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ROSE, MINT, MENTHOL,
or LEMON FLAVOUR.

PRICE **5/6** PER DOZ.

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Carlton Works, ASYLUM ROAD, LONDON, S.E.

Dentifrices "Friederich." Victoria Tooth Powder.



ON THE P.A.T.A.

1/- size ; 7/10 per doz.

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The ORIGINAL remedy that kills the dandruff germ.

This wonderful Hair-Saver acts by destroying the germ or microbe that causes dandruff, itching scalp and falling hair, after which the hair resumes its abundant growth and beauty as nature intended. Extraordinary results follow the intelligent use of Herpicide. Sold in all civilised countries.

Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

Manufactured by THE HERPICIDE COMPANY, Detroit, Michigan, U.S.A.

TRADE SUPPLIED BY

THE AMERICAN DRUG STORES THOMAS CHRISTY & COMPANY

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C. BROOKS, M.P.S., Chemist and Druggist,
4 Northumberland Av., W.C.; Craven House,
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4, 10 & 12 Old Swan Lane,
Upper Thames Street, E.C.

PRICES

Retail 4/- per bottle.

Wholesale 33/- per dozen.

In lots of 3 dozen, 5 % discount.

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BY APPOINTMENT



TO H.M. THE KING.

SCRUBB'S AMMONIA

MARVELLOUS PREPARATION

Refreshing as a Turkish Bath. Invaluable for Toilet Purposes.
Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing.
Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.
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Of all Chemists, Etc. Price 1s. per Bottle.

SCRUBB & CO., LTD., GUILDFORD STREET, LONDON, S.E.

PERFECT
CONSTRUCTION.GREAT
STRENGTH.

"Hollow Back."

"Hollow Back."

GIVES
UNIVERSAL
SATISFACTION.IS
ALMOST
INDESTRUCTIBLE.

*In view of the great success of this special line
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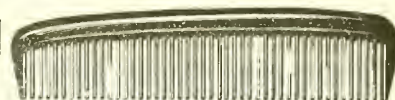
THE ENTIRE SERIES NOW COMPRISES:—



9 in. Dressing... 15/- doz.
9 in. Rake ... 15/- "
8 in. Dressing... 12/- "



8 $\frac{3}{4}$ in. Handled Rake .. 13/- doz.
Gents' Military, 7 $\frac{1}{2}$ in. 8/- doz.



8 in. Rake ... 13/- doz.
7 in. Rake ... 9/- "
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MOUNTED ON VERY EFFECTIVE REGISTERED SHOWCARD.

Series A.—One each—9 in. Dressing, 8 in. Dressing, 8 in. Rake, Handled Rake... 4 6 per card.
(Giving an assortment of four most popular patterns and sizes).

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(or alternatively six all Dressing or six all Rake).

Series C.—Six Gent's Military Combs ... 4/- per card.

ANY OF ABOVE COMBS MAY BE HAD SEPARATELY OR CARDED IN ANY DESIRED ASSORTMENT.

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CARLSBAD WATERS, CARLSBAD SPRUDEL-SALT.

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And all other Natural Mineral Waters.

Price Lists, Show Cards, Dummy Bottles, Pamphlets, &c.

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EAST PAUL'S WHARF,
26 UPPER THAMES ST., E.C.

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A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopoeia. (Wholesale only.)

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THE "COMPACT" MACHINES

are specially designed for

CHEMISTS, GROCERS, RESTAURATEURS,

and everyone to whom space is an object,
and can be used for filling Syphons, Codd's
Bottles, or Cork Bottles.

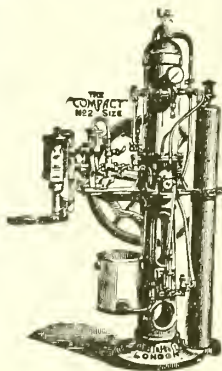
OCCUPY LITTLE SPACE!

ARE READY FOR USE IMMEDIATELY!

REQUIRE NO FIXING!

Produce Soda Water, Lemonade, &c., of the
highest class and greatest purity.

Write for Catalogue.



A COMPLETE APPARATUS—
CAPABLE OF PRODUCING OVER
300 DOZEN LARGE BOTTLES
OF AERATED WATER PER DAY
—from £20.

Bottles, Boxes, Essences, and all
Requisites for the Trade at
Lowest Prices.

BARNETT & FOSTER, Niagara Works, 26th Eagle Wharf Road, N.

Proprietors of Galloway, Bros., Bolton.

Each season of the year finds a selection of P., D. & Co. Specialities in active demand.

Cod Liver Oil Emulsion, 33%—with Hypophosphites. Protects the pharmacist against loss through deterioration of material. It also protects his profit against the attacks of low-price competition. Two sizes—8 fl. oz. and 16 fl. oz.—retail (P.A.T.A.) prices, 1/4 and 2/6.

Bronchial Lozenges, Improved. Now packed in very attractive display outers containing 3 dozen 6d. boxes; again a P.A.T.A. protected price.

PARKE, DAVIS & CO., Beak Street, LONDON, W.

CONOIDS.

FOR INFLUENZA.

NOTICE.

MILK EMULSION

THE name "Milk Emulsion" is our Trade Mark for an Emulsion of Cod Liver Oil with Hypophosphites, and designates specifically that it is our preparation. Our Emulsion is known in commerce as "Milk Emulsion," and when "Milk Emulsion" is ordered people expect to receive FAULDING'S MILK EMULSION. We hereby give notice that no other persons can use the same name on their labels, wrappers or advertisements without infringing on legal rights.

"Milk Emulsion" is sold in Bottles only, Wholesale, by—

F. H. FAULDING & CO.

54 Great Tower Street, London, E.C.
54 King William Street, Adelaide, South Australia.
341-3 Murray Street, Perth, Western Australia.
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SAL HEPATICA.

PUT UP FOR EXPORT:

Small	size,	3 oz. bottle,	in case.
Medium	"	7 " "	" "
Large	"	16 " "	" "

OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-12 Old Swan Lane, Upper Thames Street, E.C.

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Burgoyne, Burbidges, & Co., 16 Coleman Street, E.C.

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Vittoria Liquorice Juice.

High-class Trimmed and Powdered
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Absolutely Pure English-distilled Sandal-
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Best Selected Druggists' Opium.

Cut Sarsaparilla of all kinds.

Powdered Ipecac. and Jalap.

A large stock of all Gums, Roots, Barks, &c.,
in ordinary form and powder, always kept.

HORNER & SONS,
24 GEORGE STREET, TOWER HILL, E.C.
(Late of Mitre Square, Aldgate)
And 20 BUCKLESBURY.

The
Gold
Medal
Wine
Tonic



London,
1908.

DO Stock it? It means quick **YOU**
YOU sales and a steady profit if **DO**

SEND FOR LIST.

All Registered Chemists can sell Wincarnis
with Quinine without a licence. Why not you?

Medical men in your district order it often,
and there is a large public demand. [17]

By Special Appointment to the King & Queen of Spain.

COLEMAN & CO., LTD., 21 Wincarnis Works, NORWICH.

BLOCK LIQUORICE JUICE

(Guaranteed
absolutely pure.

BRANDS

"VB"

"BX"

"E"

("E" brand entirely soluble in cold water).

These juices, being **PURE**, bear the highest possible percentage of glycyrrhizin, and are consequently the most economical for all purposes
EVANS, GRAY & HOOD, 5 GREAT TOWER STREET, LONDON, E.C.

BUVO

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LOFTHOUSE & SALTMER,

**Wholesale and Export Drug
Merchants, Manufacturing Chemists, HULL,**

Offer the Trade the following valuable P.A.T.A. Protected lines, bearing a very large Protected Retail
Profit, which sell freely and are well known and valued by the Public in many parts of the Country.

	PROTECTED RETAIL PRICE.	DOZEN.
LOSALL'S SALT (well advertised), tins ...	6d. ...	3/6 net.
" " " " bottles	1/- ...	7/- "
" " " " bottles	1/6 ...	10/6 "
LOSALL'S MILK FOOD, oblong tins		
1/- size. Ideal Food for children	8 1/2d. ...	5/6 "
and adults		
FINEST HYGIENIC FIRST MILK FOOD		
"Crown Brand," specially adapted	1/- ...	7/6 "
for infants from birth to 3 or 4		
months, tins 13 ...		

	PROTECTED RETAIL PRICE.	DOZEN.
PREPARED BARLEY ("Crown Brand.")		
Usual 1/- size, lever lid tins. A good	— ...	4/- net
selling line		
MALTED FOOD. Usual 1/- size, lever lid		
tins. Buyer's name and address	— ...	4/6 "
printed free on 3 dozens. Special		
design label, name and address, on		
gross orders if desired		
LOSALL'S FOOT-ROT OINTMENT, ...	1/- ...	7/6 "
enamelled tins		

Chemists taking up the above really valuable, large profit-yielding lines, will find them an important adjunct to their business.

London Agents: **F. NEWBERRY & SONS.**

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THE PASTILLE SEASON

The best season of the Pharmacist's year, embracing at least six months, during which the dispensing and sale of medicaments in pastille form constitute an important item in the day's business.

But both physicians and public are keenly critical of the quality of these goods, and it is only by dispensing and selling the best that the Pastille Season may be made permanently profitable.

TRADE
MARK

'TABLOID'

BRAND

PASTILLES

'TABLOID' Brand Pastilles

- " Ammonium Chloride and
Liquorice
- " Benzoic Acid Compound
- " Cocaine Hydrochloride, gr. 1/10
- " Codeine, gr. 1/8
- " Glycerin
- " Glycerin and Black Currant
- " Glycerin, Tannin and Black
Currant
- " Glycerin, Tannin, Capsicum
and Black Currant
- " Lemon Juice
- " Linseed, Liquorice and
Chlorodyne
- " Menthol, gr. 1/8
- " Menthol and Eucalyptus
- " Morphine and Ipecacuanha
- " **PECTORAL**
- " Pine Tar Compound
- " 'Pinol,' min. 1
- " Red Gum and Cocaine
- " Rhatany, Menthol and Cocaine

Supplied to the trade at 6/- and 12/- per dozen boxes, except 'Tabloid' Pectoral Pastilles which are 8/- and 16/- per dozen boxes. Subject.

are fine pharmaceutical products, prepared under scientific conditions from pure ingredients, and each product is accurately medicated.

Each 'Tabloid' Pastille presents a beautifully-finished appearance and its palatability is all that the most fastidious can desire.

They are packed with a care that obviates deterioration.



Greatly reduced

Metal boxes of two sizes are issued, elegantly decorated in blue and aluminium, convenient for the pocket and especially suitable for counter trade.

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B.D.H.

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B. H. & CO.	}	LONDON WALL
D. H. & H.		6123 (5 Lines)
H. S. & F.	}	HOP 3605 (2 Lines)

Telegrams—

"BARRONETTA LONDON."
"ASHILL LONDON."
"FRANCIS LONDON."
"BOLLAND LONDON."

EMULSION OF COD LIVER OIL

—with HYPOPHOSPHITES.—

A white creamy inseparable emulsion of the finest Norwegian Cod Liver Oil. It is devoid of taste and is not liable to incipient fermentation or rancidity. Its flavour is pleasing, its degree of sweetness moderate, and it retains its delicate freshness indefinitely if kept in a cool place.

In bulk, 1/- per lb.

EMULSION CONTAINING 50% COD LIVER OIL.

In semi-wide mouth flats with black and white label (no cartons)

4 fl. oz.	...	...	4/3 doz.
6 "	...	...	5 9 "
8 "	...	...	7 6 "
12 "	...	...	10 6 "
16 "	...	...	14/- "

In long white glass panelled bottles with striking carton (coloured)

			Per doz. cartons extra.
6 fl. oz.	...	6 - per doz.	... 6d.
8 "	...	7 6 "	... 6d.
12 "	...	10 6 "	... 1/-
16 "	...	12 6 "	... 1/-
24 "	...	16/- "	... 1/3

EMULSION CONTAINING 33% COD LIVER OIL.

In white glass panels with lithographed label, yellow or blue, and cartons to match.

6 fl. oz., 5 2 per doz.

8 fl. oz., 6 8 per doz.

12 fl. oz., 8 7 per doz.

Samples of labels and cartons on application to—

THE BRITISH DRUG HOUSES, LTD.

BARRON, HARVEYS & CO.
DAVY HILL & HODGKINSONS
HEARON, SQUIRE & FRANCIS

Graham Street, City Road, N.
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**A Weekly Journal of the Chemical and Drug Trades,
and of
British Pharmacists throughout the Empire,
ESTABLISHED 1859.**

The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by seventeen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

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Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.

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Its contents are never twice the same: there is always something new in it.

In forty-two years we have ascertained what is wanted and what is not.

Subscribers have learnt that they get what they want when they want it in THE CHEMISTS' AND DRUGGISTS' DIARY.

The 1910 DIARY will contain just those things which are needed daily by business men in the drug and chemical trades.

The DIARY is not designed to serve as a Private Ledger, rarely referred to, but as a Desk-book for daily use by buyers of the goods which are advertised in it.

Those who propose to use the C. & D. DIARY, 1910, for business announcements should keep in view the fact that on every business day of the year the DIARY is used for business purposes.

Help buyers, and they will help you with orders; but they cannot order unless you tell them what you make or have to sell. Tell it well in the C. & D. DIARY for 1910. It will pay you.

The Publisher of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., will tell you more about it than can be told here. Please ask him for a copy of his brochure on the DIARY. It is a quite novel typographical creation.

Summary of the Week.

Articles and Communications.

"Xrayser" writes on what to talk about at Chemists' Associations, then discusses the buying and selling of chemists' businesses, Dr. J. C. McWalter's views on the quack-medicine traffic, the new medicine-stamp, and other subjects (p. 541).

Correspondence this week is confined to four pages, owing to exceptional pressure on our space. There appears to be a diversity of opinion in regard to "Elliman" prices, and we summarise some of the letters, including a suggestion that the best terms retail parcel should be reduced in size (p. 557).

The Report of the Commissioners of Inland Revenue for 1908-9 gives fuller particulars than were contained in the Budget speech regarding the decreased consumption of beer and spirits. In our first editorial article facts which should interest chemists are mentioned, and we also give the statistics regarding patent medicines. The sale of stamps has decreased, but the number of licensed premises has increased. We make out the average sales of those medicines by each licensed retail vendor to be 60/. a year (p. 542). The peppermint-oil market is in an excited condition, consequent upon the poor crop obtained in the United States. We review the position fully in an article on p. 544.

Associations and Societies.

The Sheffield Pharmaceutical Association has had a lively Council election, manifestoes being issued by leaders of two parties (p. 529), with the result that at the annual meeting on Wednesday evening the "progressives" obtained a majority on the Council (p. 551).

On Wednesday afternoon the School of Pharmacy, Bloomsbury Square, was reopened, Professor Tschirch, of Berne, giving an inaugural address on "The Future of Pharmacognosy." He was presented with the Hanbury medal, and the Pereira and other medals were also presented. The proceedings are fully reported on p. 546 *et seq.*

Mr. Hagon suggested at the Council-meeting of the Pharmaceutical Society on Wednesday that scales used by retail chemists for sales and not for dispensing should be put in Class C. The President is to see the Board of Trade about the matter. Class C allows three times more to turn the scale than is permitted for Class B, in which retail chemists' scales are placed (p. 546).

Parliamentary.

Captain Craig proposes to introduce in the House of Commons next Session a Bill to require manufacturers of proprietary medicines to disclose their composition on the label. The Home Secretary, interviewed by our parliamentary representative, states that he will communicate with responsible departments and persons before doing anything in regard to a Committee on Secret Medicines (p. 538).

The question of duty on medicinal spirits has been discussed at some length on the Finance Bill, but none of the speakers showed intimacy with the subject. The import-duties on chloroform, etc., were the topic. We print a verbatim report of the debate (p. 539). Other parliamentary matters are also reported. It will be seen that an official promise was given that the revenue authorities will not be unduly strict as regards benzine licences (p. 539).

News.

It will be a considerable time before the new medicine-stamp is ready. See the note on p. 523.

John Islip, the man who frequently obtained goods from chemists and did not pay for them, is now under arrest. An interesting account of his methods and a sketch-portrait of him are given on p. 529.

Mr. Richard Bannister, F.I.C., F.C.S., formerly Deputy-Principal of the Government Laboratories, is dead. Our obituary columns also contain the names of Mr. John Smith (Aberdeen) and Mrs. Charles Umney (p. 535).

Trade Matters.

The Chemical Section of the London Chamber of Commerce discussed the proposed rates for Port of London dues on Thursday afternoon. Mr. John C. Umney introduced the matter by an exposition, which, with other notes, is printed on p. 555.

The recent improvement in business has not been maintained in the markets, but values for the most part are firm, and include two advances in quicksilver and higher rates for Mexican sarsaparilla, senega, damiana, pepper, soya, and wood oils (p. 552).

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

The West Ham Guardians have appointed Mr. J. G. Fry, chemist and druggist, as dispenser at the workhouse.

A fire occurred at the Fleetwood Chemical Works, near Widnes, on September 29, the damage being estimated at 6,000l.

At the Brass Band Festival, held at Crystal Palace on September 25, Boots' Plaisance (Nottingham) Band was placed first in the competition for the "Daily Graphic" Junior Cup.

Fire severely damaged the grinding-rooms at the rear of the premises of Messrs. Crosbie & Co., drug-grinders, 134 New North Road, London, N., on September 25. The firemen succeeded in preventing the spread of the conflagration to the main building.

Mr. David Lewis, who was formerly in business as a chemist at Saundersfoot, applied recently to the Narberth Guardians for assistance in obtaining work. The applicant stated that he was handicapped by a wooden leg. The Guardians complimented him upon his smart appearance.

For the third time within a year the premises of Mr. Frederick J. Lea, chemist and druggist, Malpas Road, Newport (Mon.), have been visited by burglars. The thieves found nothing in the till, but looted some tea and scent, and in sheer mischief turned on the tap of a 12½-gal. cask of vinegar.

The establishment of Boots, Limited, High Street, Lewisham, was entered by burglars during last week-end. The depredators cut their way through the roof of an out-building, and smashed to matchwood a stout door which barred further progress. They obtained a "haul" worth about 40l., chiefly silver goods.

A London chemist's assistant, named Thomas James Rennison, who is a native of Kirkby Stephen, met his death on the Great Gable, Wastdale, Cumberland, as the result of a fall of 200 feet from the Eagles' Nest Ridge. Deceased, who was leading his three companions, slipped and fell while essaying the most difficult of the three climbs which the crag offers.

At Havant on September 25, Percival A. Davies, described as a chemist, was fined 1l. and 1l. 6s. 6d. costs, for alighting from a train on two occasions at an improper place. Accused, who was a season-ticket holder, pleaded guilty. He stated that he had been attending lectures in London, and that he had taken the opportunity of alighting at Havant, as the train usually slowed up there, instead of going on to Portsmouth.

At Andover on September 20, Reginald Herbert Skeates (14) was charged with stealing various goods (including a camera and tripod) to the value of 5l. 10s., the property of his former employer, Mr. H. W. Ridge, chemist and druggist, 27 High Street, Andover, between May 1 and September 14. The camera was missed after the boy had been discharged, and the other articles were found at his home. Accused, who admitted the thefts when charged, was remanded with a view to being placed in an industrial school.

The New Medicine-stamp.

We are officially informed that a considerable time will elapse before the new medicine-stamps will be ready. The Home Secretary referred to them in the House of Commons a fortnight ago, and it was surmised from his statement that the stamps might be ready soon. We learn, however, that the preparation of the plates for the stamps is a lengthy operation, but notice will be given to the trade as to when the stamps are ready for issue.

Chemists and the Hyde Park Demonstration.

We are informed that the demonstration of shop-workers which will be held in Hyde Park on Sunday, October 3, to demand a universal sixty-hours' week and a compulsory half-day for all workers, will cover the case of chemists'

assistants. There is no intention of advocating the compulsory closing of shops. All the allied organisations, such as the National Union of Clerks, the Co-operative Employees' Union, and the Railway Clerks' Association, are joining in the procession from the Embankment. A special feature of the demonstration will be the presence of women shop-assistants, who will march to the park. Among the members of Parliament who will speak from the four platforms are Mr. Robert Harcourt, Mr. J. A. Seddon, Mr. T. Summerbell, Mr. Pete Curran, Mr. J. Jenkins, and Captain Waring. The resolution to be submitted from all the platforms is as follows:

"That this mass meeting of shopworkers, and London citizens, while heartily welcoming the introduction of the Shops Bill, expresses its bitter disappointment with Part 1, which provides for a sixty-hours' week exclusive of meal-times; further declares that no measure will be considered satisfactory that does not secure a weekly 1 o'clock half-holiday and a universal sixty-hours' week including adequate meal-times; and also calls upon the Government to introduce the Bill, so amended, the first possible day after the opening of next Session."

The procession will leave the Embankment (Charing Cross District Station) at 2.30 p.m.

Carbon Tetrachloride Shampoo.

At the Westminster Police Court on September 24, the hearing of the charges of manslaughter against Mr. W. H. Eardley and Miss B. Clarke, of Harrods' Stores, in connection with the carbon-tetrachloride shampoo fatality, was again adjourned. The witnesses included Mr. Pepper and Mr. J. H. Chaldecott (anæsthetist at St. Mary's Hospital). The hearing was resumed on September 28, and was adjourned until October 1. The chief witness was again Mr. J. H. Chaldecott. During his evidence he stated that he experimented with chloroform, carbon tetrachloride, and a sample of Harrods' hair-wash, and he had deduced that the hair-wash was even more poisonous than the pure carbon tetrachloride. He mentioned that Sir J. Y. Simpson had used the tetrachloride as an anæsthetic but gave it up as being too dangerous. Dr. Willcox had found an appreciable amount of carbon bisulphide in the shampoo-preparation. The witness also deposed that the precautions taken in using the preparation were not adequate, and that he knew of none that would make it safe.

Sale of Food and Drugs Acts.

The Southampton analyst reports that he examined the following samples during the last quarter: Vinegar, 5; camphorated oil, 4; olive oil, 4; cod-liver, 3; cream of tartar, 3; glycerin, 3; pepper, 2; compound liquorice powder, 1; citrate of magnesia, 1; lemonade powder, 1; lemon squash, 1; compound rhubarb powder, 1. The vendors of three samples of camphorated oil, 7.8 to 8.5 per cent. deficient in camphor, were cautioned. The lemon-squash sample, which was given in by the purchaser, contained a small quantity of crude carbolic acid. The manufacturers were warned of the danger of using dirty bottles.

At the quarterly meeting of the Isle of Wight County Council on September 29, the General Purposes Committee reported that after protracted correspondence the Local Government Board had finally declined to give their approval to the appointment of Mr. E. W. Pollard, B.Sc., pharmaceutical chemist, Ryde, I.W., as public analyst (*C. & D.*, June 12, p. 896). Consequently the Committee recommended the appointment of Dr. Arthur Angell, Ph.D., F.I.C., of Southampton, for the period ending March 31 next, at a fee of 10s. 6d. per sample. The recommendation was adopted without discussion. Mr. Otto Hehner, London, had previously held the appointment for a number of years.

Chemists' Assistants and Lodgers' Votes.

At the Narberth Revision Court the Revising Barrister (Mr. Ivor Bowen) disallowed the lodger claim for a vote of Mr. William G. Morris, assistant to Mr. A. D. Griffiths, chemist and druggist, Saundersfoot, as an indoor assistant is not a lodger.

At the Kingston-on-Thames Revision Court on September 27 the claims for lodger votes of Messrs. Beveridge and Pallot, assistants with Messrs. Chas. Lowe & Co., chemists, Claremont Road, were objected to on the ground that the landlord lived on the premises. Mr. Beveridge

appeared to support his claim on the following day, and stated he was not bound to live on the premises. Both the votes were allowed.

Earlier Closing.

During the winter months the Herne Bay chemists will close each Thursday at 1 p.m.

The chemists of Ilford, Essex, have decided to close at 8.30 p.m. on the first three nights in the week.

Messrs. Boots, Ltd., who recently opened their branch at Kingston-on-Thames, have fallen into line with the general custom of closing early on Wednesdays, notwithstanding that the other limited chemist companies remain open.

The chemists of Whitby are to close their establishments at the following hours from October 1 to May 31: Mondays, Tuesdays, and Thursdays at 7 p.m.; Wednesdays, half-holiday; Fridays at 8 p.m.; Saturdays at 9.30 p.m.

Manchester Notes.

There has been a serious outbreak of scarlet fever in Cheetham Hill and Crumpsall, over 200 cases having been treated. A meeting of the Sanitary Committee of the Manchester Corporation has been held to consider what steps to take in the matter.

It is stated that as the result of using cold cream on a child's arm after vaccination erysipelas developed, from which an infant has died. At the inquest the Manchester Coroner said that as the erysipelas rash appeared three weeks after vaccination it corresponded with the time when the scab on the child's arm was rubbed off with cold cream.

The new chemical laboratories of the University, which will be opened on October 4, form a fine block of buildings close to the older parts of the University. Professors Dixon and Perkin aided the architect and committee in preparing the plans, and the large new laboratory will be devoted to organic chemistry. It is expected that several honorary degrees will be conferred on the opening day, Dr. Otto Wallach, of the Gothenberg University, Mr. Whitelaw Reid (the American Ambassador), Sir R. Stout (Chancellor of the New Zealand University), and Sir Alfred Lyell being among the number.

Midland Notes.

Sir Thomas Barclay has contributed 100*l.* to the new Wesleyan Church at Evesham.

Messrs. Hedges, Ltd., are having their Dale End establishment refitted and refronted in modern style.

Canon Averill has been appointed Bishop of Napier, New Zealand. He is the eldest son of Mr. Henry A. Averill, of Messrs. J. & H. A. Averill, pharmacists, Market Place, Stafford.

In the competition for the post of dispenser offered by the Birmingham Board of Guardians, Miss Bates, who has done the *locum* work at the place for the past six years, received the appointment.

A suggestion has been made that the Pharmaceutical Society should endow chairs of pharmacy throughout the several Universities at a cost of 1,500*l.* per chair. This, with the fees, would be enough to pay a part-time professor and abolish proprietary schools, it is said.

Sheffield Notes.

A sporting golf match has been arranged between Messrs. R. D. Douglas and G. Squire on one side and Messrs. J. Evans and J. B. Pater on the other, the latter conceding half a stroke a hole.

The premises of Messrs. Mason & Booth, Ltd., chemists, Jameson Street, Hull, were broken into during the night of September 26, and about 10*s.* in coppers and a few stamps stolen. The intruders also smashed about 15*s.* worth of perfume.

Councillor A. Russell Fox, F.L.S., chemist and druggist, presided at an enjoyable concert on September 27 in connection with the Crookesmoor Recreation Bowling Club, the proceeds being in aid of the Jessop Hospital. In a brief speech the Chairman advocated bowling as a pastime calculated to improve the health.

At the Police Court on September 24, a middle-aged Meersbrook resident, named Joshua Wright, was fined 19*l.* for placing poisoned meat on the public highway. There were five informations as to laying lights containing strychnine and three charges of poisoning dogs. The accused strenuously denied the offences, saying he bought the meat for his cats, and adding that he was very fond of dogs. The charges were the culmination of repeated instances of poisoning of dogs, the police stating that about fifty dogs had been found suffering from the effects of poison.

Our Sheffield correspondent writing early in the week says: "The situation here in connection with the election of the Council of the Sheffield Pharmaceutical and Chemical Society is getting quite exciting. Personal canvassing is proceeding on both sides quite on General Election lines, and, following the circular issued by the other side, Mr. H. G. Williams issued an appeal which has resulted in a small deluge of circulars. In his type-facsimile letter of two pages Mr. Williams put forward, apart from personal considerations, five points, viz.:

(1) Papers of a business character should be given at the meetings.

(2) The Commission of 10 per cent. given to the collector of subscriptions should be saved by getting the city divided into districts for members to work.

(3) Lectures should be given to students on appointed evenings throughout the session.

(4) The meetings should be held later than 8.15 p.m., which is only convenient for a few.

(5) Votes asked for Messrs. J. E. Alcock, J. Chadwick, J. Dale, A. H. Fox, F. Medley, and H. G. Williams, nominated by the Sheffield Chemists' Buying Association.

Mr. J. B. Pater issued a stylographed letter on September 25, asking the members to vote for Messrs. Antcliffe, Austen, Douglas, Newsholme, and Squire. He said:

"Do not be dictated to by a Buying Section whose very initial action came very near to the breaking-up of your Society and landing it in all kinds of legal worries. Various inferences, contained in a circular letter you will probably have received *re* the collection of subscriptions and the hour at which meetings are held, are inaccurate. Finally I ask you seriously to compare the two lists of names submitted: if this is done, I do not think there will be any room for doubt as to which way you will vote."

To this Mr. H. G. Williams replied in an eight-point letter, endorsed by Messrs. J. Thompson Appleton, Percy Carr, Bernard Ellis, and J. Gilbert Jackson. In this Mr. Williams said he did not think the names submitted by Mr. Pater were those of the right men, and he replied categorically to each of Mr. Pater's statements. The fourth point in this letter was—

"Mr. Pater states that his party's policy is 'Pharmacy for the Pharmacist.' Really! Do not past events prove otherwise? Has it not been pharmacy for the unqualified companies, in fact, so much so that the policy which Mr. Pater advocates has actually legalised these companies. You will observe that this is mere bluff."

Mr. Pater, in his reply of September 28, said as to this: "The endeavour to saddle myself and party with the legalising of unqualified companies I think pretty plainly shows who it is that is using 'mere bluff.'"

The last addition to the circulars was a postcard from Mr. J. G. Jackson to every member on Wednesday morning, asking them to "Vote solid for the Progressives and come to the meeting, 8.15." [For the result see p. 551.]

John Islip.

If any chemists have recently had dealings with John Islip, the man who sends such orders for goods as we have repeatedly reproduced in the *C. & D.*, now is the time to help the authorities, for Islip is under arrest, and last week was charged at Brentford with a series of fraudulent practices. His name was given as Louis John Islip, and his address as The Avenue, Ealing ("45 The Avenue, West Ealing, Middlesex," and "J. Islip" were given in the *C. & D.*, March 20, p. 444). At the hearing of the case, Mr. Stanistreet Holmes, for the Treasury, made the following statement:

Prisoner had been living on his wits for years. He was a racing-man, and had carried on a most astonishing system of fraudulent practice. Prisoner went to one house (although he had a big house himself which was stocked with goods he had obtained by fraudulent means), and represented him-

self as a Mr. Butt. He arranged with the lady of the house to have letters sent there at the rate of a penny each. They came in various names, prisoner having told her that for racing-purposes he went in different names with various bookmakers. How he started his banking account was most curious and ingenious. He advertised in the London Press for a housekeeper. He got into communication with an applicant, and said that for 10% she could have a half-share in the house, and as her wages she could have 50 per cent. of the profits on boarders until she had 50% and after that she was to receive 33½ per cent. She agreed to pay the 10% and prisoner afterwards wrote asking her to make it 15%. She said she would do that if the business was a *bona-fide* one. His reply was that she would amass money quickly, as a good business was done at the house with boarders. Having got her 15%, he went to the London and South-Western Bank at Holland Park, and opened an account in the name of "J. Butt." He gave the name of "Captain Islip," of Ealing, as his reference. "Captain Islip" was written to, and the bank received a reply stating: "Mr. Butt is a most respectable man, whom I have known for some time now, and I have no doubt you will find him an excellent client when the flat-racing season begins." On that recommendation an account was opened, but for a very long time the balance had stood at 5d.

Accused was declared to have been an undischarged bankrupt since 1895, when his liabilities were 742l., and his assets *nil*. It was further alleged that the labels were torn off the parcels directly they arrived; that there was an enormous number of callers at the house, and a large number of county court summonses. Many witnesses were called, from all parts of England, and accused was remanded. The portrait which we give of Islip is reproduced from one which appeared in the "News of the World," which states that on the day Islip



JOHN ISLIP.

was before the Magistrates the court presented a striking appearance, as there was scattered over it an enormous quantity of wines, spirits, clothing, bedding, house-linen, decanters, towels, blankets, several chests of tea, cigars, and other things, most of which are said to have been pawned by Islip when he received them from shopkeepers to whom he had sent orders.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

The Ballyshannon Case.

In connection with the prosecution at Ballyshannon (*C. & D.*, September 25, p. 500) it is stated that the Law Committee of the Pharmaceutical Society, as an alternative to seeking in the High Court for a mandamus to compel the local Justices to re-hear the case which they dismissed, are having recourse to the less complicated and quicker method of bringing a fresh summons against the defendant as the result of new and supplementary evidence.

Guardians' Affairs.

The Waterford Guardians are endeavouring to get the L.G.B. to allow recoupment which has up to now been refused because the drugs were not submitted to analysis according to the rules.

The Newry Board of Guardians have been furnished by the medicine contractors—Messrs. Sumner & Co., Liverpool—with a letter of proof from the Liverpool Distillers' Co. that they have paid the increased duty on spirit. Messrs. Sumner also controverted certain statements which alleged that they have not credited empties or promptly despatched goods ordered by the medical officers.

Personal.

At the annual meeting of the Belfast Young Men's Christian Association Camera Club on September 25, Mr. D. W. Elliott, pharmaceutical chemist, Shaftesbury Square, was elected Vice-President.

While walking in Victoria Park, Belfast, last week, Mr. Samuel M. Reid, registered druggist, discovered an octopus

or devil-fish in a pond. The fish was got out and sent to a dealer, at whose premises it was exhibited.

Mr. H. Raverty, proprietor of the Medical Hall, Main Street, Bray, has been appointed medical attendant to the employes of the Dublin and South-Eastern Railway Co. within the local area.

Mr. Arthur Mayne, pharmaceutical chemist, 7 Pembroke Street, Cork, has purchased Mr. John Murphy's interest in the pharmacy at 17 Bridge Street, and will carry on both shops in his own name.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen.

At a meeting of the Board of Directors of the Aberdeen Royal Infirmary, held on September 22, Mr. W. R. Pinkerton, chemist, was appointed dispenser to the hospital.

The honey season throughout Aberdeenshire has this summer been most disappointing, and the year will probably rank among the poorest on record. The demand for honey is far in excess of the supply, notwithstanding the fact that 1-lb. sections, which last year were sold at about 1s. 3d., are this year fetching from 1s. 9d. to 1s. 10d.

The directors of the Northern Co-operative Co., Ltd., Aberdeen, in their report for the half-year which ended on August 31, state that the sales in the drug department during the period amounted to 1,071l. 12s. 6d., an increase of 394l. 8s. over the corresponding period of 1908. The directors have taken a lease of the shop, 129 Holburn Street, and are fitting it as a third drug-store. It will be opened shortly.

Edinburgh and the South.

The honey harvest in Mid-Lothian has been very unsatisfactory, though this was almost expected after the frequent spells of cold, bleak weather that characterised the summer.

Mr. John Hetherington, chemist, High Street, Moffat, and Mrs. Hetherington, while motoring in the Lake District last week, were descending Kirkstone Pass, near Patterdale, when something went wrong with the tri-car, which descended at a terrific speed, eventually colliding with a wall. Mrs. Hetherington was seriously injured, her leg being broken in three places. Mr. Hetherington was less seriously hurt.

In Edinburgh midday Sunday closing is being discussed again. In some districts most of the pharmacists have not opened between 1 and 2 p.m. for several years. Those who desire to lessen unnecessary Sunday labour cannot, of course, persuade everyone in a neighbourhood, and it is a little annoying to notice pharmacies, perhaps in the same street, that do not enter the agreement. The public, however, appear to be less anxious to get a prescription dispensed immediately it is received, and it not infrequently happens that a customer waits until Monday if the medicine be not urgently required.

Miners' Medicines.

Sheriff Shennan, of Dunfermline, has decided against the miners in the test-action as to the mineowners deducting from wages a sum for medical attendance and medicine (*C. & D.*, September 18, p. 460). The question was raised by Mr. David Adam, Kelty, President of the Fife and Kinross Miners' Association, in an action against the Fife Coal Co., Ltd., for 1s. 6d., being three fortnightly deductions of 6d. made from his own wages. The ground of action was that before these payments were deducted plaintiff had notified the defendants that he objected to the deductions. His Lordship ruled that under Section 25 of the Truck Act, 1831, a deduction for such a purpose is legal, provided that the agreement for such deduction is in writing and signed by the workman. It was admitted that on every payroll signed by the plaintiff his receipt embodied an authorisation to the defendants to deduct "from my wages in future so long as I am in your employment the amount of my house-rent, also the sums paid by you for medicine and medical attendance."

Glasgow and the West.

Mr. Gunn, assistant with Mr. John Foster, chemist and druggist, Cambridge Street, sails shortly for South Africa to take up an engagement there.

There is a welcome improvement in business generally and pharmacists are anticipating a busy winter. Scarlet fever is at present epidemic in the city and district.

Mr. W. L. Currie asks us to remind intending competitors for the Kinnimont Prize that their names must be received by him before January 1. Mr. Currie's address is 223 Byres Road, Glasgow.

During the recent stay of the King at Mamore Lodge, Mr. Thomas Spence, chemist and druggist, by special request, photographed the house-party and the previous day's "bag" in front of the Lodge. His Majesty is well acquainted with Mr. Spence's work through purchasing during a former visit several copies of his well-known photograph of "Deer in Corrour Forest."

A Spook Photo-postcard.

There was a ghost scare in one of the manufacturing towns on the north bank of the Forth towards the end of last week, of which a local chemist took advantage. He had already "postcarded" the haunted house, when it occurred to him that a postcard of the ghost itself might take. He accordingly arranged with it to give him a "sitting" on Friday forenoon, September 24. The plate was exposed at 11.30 and the first postcard was sold by one o'clock to a local journalist for half-a-crown. By two o'clock he had six dozen cards ready for sale, and the whole lot was cleared out the same evening at twopence apiece. A batch of 150 was printed on Saturday morning, and these also were disposed of during the day. Advantage was taken of a quiet Sunday morning to print a second edition of 150, and these again were practically all sold by Monday night. How many more he can dispose of remains to be seen. In addition to this, lantern slides were made of the two subjects, and sold to a local cinematograph company exhibiting in town. So that altogether the chemist has made a good week-end's profits out of the ghost. [A copy of the card sent to us reveals an obvious, but clever, "fake."—ED. C. & D.]

Canadian News.

(From the "C. & D." Correspondent.)

SALE OF COCAINE.—The first prosecution under the amended section of the Medical Act occurred in the Toronto Police Court last month, when Henry Schofield, druggist, was fined \$20, and costs, for selling cocaine without a medical prescription. Mr. Schofield pleaded guilty and paid the fine. The prosecution was instituted by the Medical Council, and other prosecutions are likely to follow.

THE NICHOLS CHEMICAL COMPANY, LTD., of Montreal, have issued a circular to the trade in Canada stating that they have arranged with the Canada Chemical Manufacturing Co., of London, Ont., to take over their chemical business on August 1, including open accounts and unexpired contracts, and their Toronto warehouse. Mr. T. H. Smallman, president of the C.C.M. Co., will become a director of the Nichols Co., and Mr. Albert Neighorn, formerly of the same company, will represent the Nichols Co. in Toronto.

A GOLDEN WEDDING.—On September 13 Mr. J. A. Harte, pharmacist, Montreal, and Mrs. Harte celebrated their golden wedding. Mr. Harte is a Glasgow man, and served his apprenticeship to the drug-trade there, afterwards travelling for a prominent Old Country drug-house, until he emigrated to Canada in 1857. He was with Carter, Vurry & Co., of Montreal, for a few months, then went to Toronto and opened a drug-store on Yonge Street there. In 1859 he returned to Montreal and opened a shop on Notre Dame Street, next door to his present position, 150 Notre Dame Street West. He married Miss Georgina Munro, daughter of the late Mr. Hector Munro, a well-known contractor of that day. Their son, Mr. J. H. Harte, is also a pharmacist, and has a business at the corner of St. Catherine and Drummond Streets, Montreal.

French News.

(From the "C. & D." Paris Correspondent.)

BUDGET PROPOSALS.—The latest Budget proposals include a tax of one halfpenny (5c.) per bottle on all mineral waters of which the wholesale price is above twopence (20c.) per bottle. This tax would be collected by a "vignette" or label—a detail which M. Cochery has possibly copied from the British patent-medicine label—and is calculated to produce 1,500,000f. per annum. Some eighty million bottles of French mineral waters are annually sold, but only about thirty millions would fall within the price-limit of the new tax.

ECHOES OF ESPERANTO PHARMACY.—"The results of our little international pharmaceutical reunion," said M. Rousseau, of Levallois, in a further interview I have had with him, "will, I hope, be both permanent and important. To begin with, we have now definitely founded the 'International Esperantist-Pharmacists' Association' (the 'I.E.F.A.' we term it). We elected as our Chairman, for two years, M. Levanzin, of Malta; while Oscar van Schoor, of Antwerp (who was one of the official delegates of the Belgian Government at the Esperantist Congress), has consented to act as our Secretary-Treasurer. Each of the more important nations will have a vice-president, and I have myself the honour of having been elected to represent France. The members' annual subscription will be 2.50f. One of our first tasks will be to appoint an Honorary Committee of Patronage for the I.E.F.A., which will include the scientific notabilities of the various countries. The regular publication of a pharmaceutical journal in Esperanto was also decided upon. This will be entitled the 'Farmacia Stelo' ('Star of Pharmacy'). The star, as you know, symbolises Esperanto. We Esperantists recognise each other by a green star worn in the button-hole of the coat."

CONGRESS OF PHARMACY.—The recently issued report of the thirty-second annual gathering of the General Association of French Pharmacists, held at Nancy last month, shows that it was well attended. Among those present were M. Haller, Professor of Organic Chemistry at the Sorbonne (formerly professor at the Nancy School of Pharmacy); M. Godfrin, Director of the Nancy School of Pharmacy, and several of his professors; Professor Florence, of the Lyons Mixed Faculty of Medicine and Pharmacy; Assistant Professor Astruc, from the Montpellier School of Pharmacy; several Belgian visitors—MM. Dumoulin, Gilon, Len, Mus, Van Raes, Viette, Duyck (Secretary of the 1897 International Pharmacy Congress at Brussels), Derneville (President of the Royal Society of Pharmacy), and Haazen (President of the Belgian National Pharmaceutical Association)—and of course the leaders of the French General Association, MM. Vaudin, Crinon, Collard, etc. The formation of a Commercial Section of the General Association was the most interesting item on the agenda. M. Fortuné read a report on the subject, while M. Schmidt, a pharmacist who sits in the French Parliament as Deputy for the Vosges Department, pointed out that delays are dangerous, and that to adjourn such an important question was equivalent to dismissing it. A resolution was finally passed to the effect (1) that all societies of which all the members belong to the General Association could join the proposed Commercial Section, and (2) that M. Fortuné's conclusions should be examined (from a legal point of view) and modified if necessary by Maître Chabrol, counsel of the Association. This was agreed to. M. Chevret, it had been hoped, would bring before the meeting a price-protection project based on an amicable agreement with the manufacturers of proprietary medicines, but this result he was unable to attain. The meeting authorised the Committee on Price Protection (of which M. Chevret is Chairman) to make a last effort, and should this be without result to consider the question of boycotting sundry specialities. A third resolution condemned the collusion of doctors and pharmacists in pushing the sale of certain medicines, the practice being known in France as "com-pérage médico-pharmaceutique."

Australasian News.

The fullest information regarding the Australasian drug-trade and pharmacy is given in "The Chemist and Druggist of Australasia," copies of which can be obtained at 6d. each, post free, from the office of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

The Commonwealth.

TARIFF DECISIONS.—Amongst the decisions given up to July 31 is one referring to stamping of the words "Jackson, Chemist," on enemas, which, as already recorded in this journal, makes them dutiable as "advertising-matter, 25 per cent.," instead of being free. Carbonate of magnesia is free, but in 1-oz. packets used for making a drink taken for its cooling and laxative results, it is dutiable as "oilmen's stores, 20 per cent., or 15 per cent. preferential for the United Kingdom." Put up for toilet-purposes it is dutiable at 30 per cent. Papaveris extract was formerly charged 15 per cent. as medicine, but the new decision makes it dutiable "according to its opium-contents" in the terms of the tariff item 294.

New South Wales.

PURE FOOD ACT REGULATIONS.—The "Gazette" of July 23 contained Regulations 37 to 45. No. 37 came into operation on July 23 (see *C. & D.*, September 4, p. 397), No. 38, relating to the declaration of habit-forming drugs, is to be operative on January 1. This regulation differs from the draft. The latter provided that all drugs supplied for internal use should not contain ethylic alcohol in greater proportion than 2 parts per cent. by volume; this has now been made to read "proprietary medicines supplied for internal use shall not contain ethylic alcohol in greater proportion than 15 parts per cent. by volume." The wording of the label to be attached is altered to read as follows: "Alcohol. This mixture contains [Here insert the number of parts per cent. of proof spirit]." The guarantee (see *C. & D.*, September 4, p. 397) to be available for the protection of the retailer must be given by a resident in New South Wales, or if by a company it must have a registered office in New South Wales. A Victorian or Queensland manufacturer cannot give this guarantee, nor can he obtain a serial number to attach to his goods as indicating his general or special guarantee.

WAGES BOARD.—An agreement has been reached between Messrs. W. H. Soul, Pattinson & Co., Ltd., and the Shop-assistants' Union, as a result of which the Wages Board will probably be able to make its award earlier than had been expected. Under the agreement chief assistants are to be paid a minimum rate of 3*l.* 10*s.* a week; other registered assistants, 3*l.*; improvers (unregistered), in the first year after apprenticeship, 2*l.* a week; in the second year, 2*l.* 10*s.*; and afterwards, until registered, 2*l.* 15*s.* Relievers are to receive 25 per cent. over the rates laid down for managers, and unregistered assistants, who have been in the trade six years, 2*l.* 15*s.* a week. Apprentices indentured under eighteen are to get 7*s.* 6*d.* a week in the first year, 12*s.* 6*d.* in the second, 17*s.* 6*d.* in the third, and 22*s.* 6*d.* in the fourth; if indentured after eighteen they come under the slow workers' clause. Every registered pharmacist is allowed one apprentice. Office assistants, other than cashiers, engaged in clerical or typing work, are to be paid in the first year 7*s.* 6*d.*, in the second 12*s.* 6*d.*, in the third 17*s.* 6*d.*, and in the fourth 22*s.* 6*d.*, in the fifth 2*l.*, in the sixth 2*l.* 10*s.*, and afterwards 2*l.* 15*s.* Female cashiers and fountain assistants are to get, if under sixteen years 10*s.* a week, at seventeen 15*s.*, at eighteen 17*s.* 6*d.*, at nineteen 1*l.* 1*s.* 6*d.*, at twenty 1*l.* 4*s.*, at twenty-one 1*l.* 7*s.* 6*d.* Other retail pharmacy employes are to be paid 7*s.* 6*d.* in the first year, 12*s.* 6*d.* in the second, 17*s.* 6*d.* in the third, 1*l.* 2*s.* 6*d.* in the fourth, 2*l.* in the fifth, 2*l.* 10*s.* in the sixth, and 2*l.* 15*s.* in the seventh. University medical students in the dispensing branch of a pharmacy do not come under the award, and need not be paid; nor does the award apply to caretakers, storemen, and packers. Overtime and casual hands' work is to be paid at the rate of time and a quarter. There are also provisions as to holidays, the keeping of a time and wages book, a week's notice on the termination of an engagement, and the collection of subscriptions by the union secretary between certain hours once a week. The

Shop-assistants' (Pharmaceutical) Board decided to deliver an award on the lines of this agreement. The hours of employes other than those left in charge of shops are to be 114 a fortnight. The union asked that the award should apply throughout the State, but the Board decided that since no evidence had been given of its effect in remote districts, the award would be made to apply only through the county of Cumberland, and within ten miles of the Newcastle Post-office.

Queensland.

THE NEW PRESIDENT.—Mr. G. J. Mackay has had an unprecedented experience in being elected to the Pharmaceutical Council and placed in the position of President at the same meeting, but he has already won his spurs in connection with the Business Committee. He is the third President who has passed the examinations of the Pharmacy Board. It has always been the practice of the Queensland Council to place each member in the chair, giving to no one an extended occupancy of the position.

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

NORTHERN DISTRICTS CHEMISTS' ASSOCIATION.—The usual monthly meeting was held on August 25. There were present Mr. W. N. Cooper (Chairman), Messrs. Barnsby, Parry, Helmore, Thane, Robinson, Turpin, Currie, Joffe, Smith, Hall, the Secretary (Mr. J. P. Green), and a visitor, Mr. J. Ross, Kimberley, librarian. A letter from Dr. Froembling was read, giving particulars of the course of study at the Pharmaceutical Society's school at Cape Town. Mr. Parry then read his paper on "Radium," and illustrated it by experiments showing the action of the rays in discharging an electroscope and the effect of the emanation in causing diamonds to become phosphorescent. He also showed several diamonds which had been placed in contact with radium for several months and then removed, and although they had been out of the tube containing the radium for some months they still glowed strongly in the dark, while the colour had changed from white to pale green. The green colour extended throughout the diamond, as was shown by a fractured specimen. The apparatus by which the conversion of the radium emanation into helium had been discovered was also described. Messrs. Thane and Barnsby expressed the thanks of the meeting to Mr. Parry for the very lucid and interesting manner in which he had dealt with the subject.—Mr. C. H. Turpin referred to the action of De Beers Benefit Society in charging up proprietary drugs at the same scale as proprietary medicines instead of at the special rate. It was decided to discuss this matter at the next meeting.

Orange River Colony.

BUSINESS CHANGE.—Messrs. C. E. Gardner & Co., Ltd., wholesale chemists, have removed their Bloemfontein branch into more convenient premises situated on the market square, and have placed a qualified chemist, Mr. John Fulton, in charge.

ALLEGED I.D.B.—Mr. Carter, manager of Heynes, Mathew & Co.'s West-end Pharmacy, Bloemfontein, was an important witness at the Magistrate's Court last week, when Morris Grushko, a local jeweller, was charged with illicit diamond-buying. The case was remitted to the High Court and the accused liberated on reduced bail. Mr. Carter's evidence was to the effect that the accused consulted him with regard to obtaining acids for testing stones, and spoke quite openly of having had some stones brought to him for testing, which were alleged to have come from a newly discovered mine; and the defence was that the stones were never purchased by the accused, but merely received for testing-purposes. The case was one of "trapping."

PERSIAN OPIUM.—The exports from Arabistan during 1908-9 were 339 cwt., against 121 cwt. in 1907-8 and 73 cwt. in 1906-7. The U.K. received 33 cwt. in 1908-9, and Hong-Kong 237 cwt.

Legal Reports.

Trade Law.

Invoicing Fertilisers.—A case under the Fertilisers and Feeding-stuffs Act was heard at Barnstaple on September 23, the defendant being Samuel Berry, of S. Berry & Sons, Barnstaple, who was charged with sending an invoice for kainit which was false in an essential particular—namely, 9.6 per cent. of potash—against the customer, which meant, according to Mr. R. Henry, who prosecuted on behalf of the Devon County Council, that the customer paid 2*l.* 17*s.* 6*d.* a ton for an article worth only 13*s.* 6*d.* Mr. F. B. Dutton, F.C.S., agricultural analyst to the Devon County Council, deposed that the sample sent to him consisted of 1 part of kainit to 4 parts of salt. After hearing all the evidence, the Magistrates dismissed the summons. On a second charge against Mr. Berry for invoicing superphosphate which showed a deficiency of 5.98 per cent., Mr. Chas. J. Waterford, analyst, Bristol, was called to rebut the evidence by Mr. Dutton, who stated that the deficiency represented a loss of 3*s.* per ton to the purchaser. Mr. Waterford's analysis showed that at one time the sample contained 17.55 of soluble phosphates, which was above the guarantee. The Bench, however, found the charge proved, and imposed a fine of 5*l.*, and costs.

High Court Case.

THERMOS, LTD. *v.* ISOLA, LTD.

IN the Vacation Court, High Court of Justice, on September 29, the motion of Thermos, Ltd. *v.* Isola, Ltd., was mentioned to Mr. Justice Neville. Counsel for the plaintiffs said this was a patent action in which he appeared for Thermos, Ltd., last week. It was an action for an injunction. Subject to the consent of his Lordship the motion would stand over till the second motion day in next sittings, evidence to be filed in the meantime.

Pharmacy Act, 1868.

SALE OF CARBOLIC ACID.

AT Alcester County Court, before Judge Ingham, on September 22, William Owen, drug-store proprietor, Studley, was summoned, under Section 15, for selling carbolic acid, a scheduled poison, he not being qualified. Mr. J. B. Marshall, barrister-at-law, Birmingham, represented the Pharmaceutical Society at whose instance the proceedings were taken, and evidence was given by Mr. Harry Moon, Mr. Arthur Foulds (who purchased the acid), and Mr. Thomas Tickle, F.I.C. (who analysed the purchase). Judge Ingham found the charge proved and imposed the statutory penalty, 5*l.*, and costs.

City and County Court Cases.

WIGAN'S GOUT-PILLS.

IN the City of London Court, before Judge Rentoul, K.C., on September 23, Mr. Rowland D. Millward, 11 Agar Street, Strand, sued Barclay & Sons, Ltd., 95 Farringdon Street, E.C., for 2*l.* 5*s.* for five dozen boxes of Wigan's gout-pills supplied. Mr. F. J. Tyler, plaintiff's solicitor, said that from the correspondence which had passed the defendants' point was that the pills were supplied by Wells Springs, Ltd. The effects of that company were bought by the present plaintiff, and the pills now sued for were supplied by him after the company's property had passed to him.—Mr. Addington Willis, counsel for the defendants, said there was no order given to the plaintiff; he did not supply the goods, and he was estopped from saying he did.—Mr. Tyler replied that the order was sent to the premises and executed by the plaintiff.—Mr. Willis added that the defendants were well-known manufacturing chemists in the City, and they were not fighting for 2*l.* 5*s.*, the amount of the claim. The facts which he would disclose ought to be known to everybody carrying on a chemist's business.—Mr. Tyler regretted that the plaintiff was not in court, and asked for an adjournment.—Mr. Willis opposed, saying that the case involved a great deal. The pills were alleged to have been ordered as far back as October and November 1908. The invoices were the invoices of Wells Springs, Ltd., the company with whom they had been dealing. It was not until July of this year that they ever heard of the plaintiff. The company owed the defendants 10*l.*, and the defendants gave the company the order for the pills to get themselves paid. Now the

plaintiff came forward and said he had bought the assets of the company, but not the liabilities. The case would have to be sifted. It was not the way business should be carried on in the City of London or elsewhere. He was not surprised at the plaintiff not putting in an appearance. The company was carrying on business at the plaintiff's address.—Mr. Tyler said, on the contrary, the company had been struck off the list. The reason the invoices were in the name of the company was because plaintiff used up the company's old papers.—Judge Rentoul said that would not be fair without drawing a pen through the company's name. He must give judgment for the defendants, with costs.—Mr. Willis said he was going to ask for costs on the higher scale, as the question in dispute was of great interest to every chemist.—Judge Rentoul said he could imagine that to be extremely likely. He allowed ordinary costs, but he certified for counsel's costs.

A PATENT-MEDICINE BUSINESS.

THE business of Zobb Bros., manufacturing chemists, High Road, Willesden Green, came before the Marylebone County Court on September 27, in an action by Messrs. Morton & Burt, who had obtained judgment against George H. Marston. The latter, in reply to the Judge, explained that the business was started by two young men who wanted to bring out a certain patent medicine, and engaged Marston as manager at 10*s.* a week. The lease of the premises was his, and he ordered the goods for them. The business is now defunct. Marston said his present earnings are about 10*s.* a week, and his Honour made an order for 4*s.* a month.

CANWAL SYPHONS.

AT the Manchester County Court on September 27, before Judge Parry, an order was made on the application of Canwal, Ltd., Longsight branch, against Mr. Thomas W. Burch, chemist and druggist, of Prestwich, for the return of syphons or the payment of 36*l.* 15*s.* 4*d.*, being the value of them. On behalf of the defendant Mr. Hislop, jun., said he had difficulty in getting the syphons back from his customers, who were well-to-do people. His Honour asked: Why do well-to-do people stick to somebody else's syphons? Chemists could charge more for their medicines and get it that way. (Laughter.)—Mr. Hislop suggested that if the defendant was given until the end of the year he could return the syphons, and his Honour gave judgment for the plaintiffs on the understanding that if the amount in question was paid into court, there would be a stay of execution until January 1, 1910.

LINSEED-OIL MEAL.

AT Belfast County Court on September 24, Messrs. Kerr, Lang & Jackson, Ltd., Londonderry, sued Mr. R. Barbour, Victoria Street, Belfast, to recover 50*l.* damage by reason of defendant's failure to carry out a contract to supply them with 50 tons of linseed-oil meal. A preliminary objection by Mr. Thomas Campbell (counsel for defendant), that the Court had no jurisdiction, as the contract provided for arbitration in case of dispute, was overruled. The evidence of plaintiffs' manager was that he took delivery of the first 25 tons in January last, and had samples analysed by Mr. Robert Barklie, Belfast. Defendant was supplied with a copy, and said there was no proof the meal had been adulterated. To make the stuff saleable they had to grind up a quantity of linseed cake of high quality. They did not take delivery of the second consignment, which was invoiced "oil meal," which was not what they had contracted for.—Evidence was given by Professor Henrick, Aberdeen, that the stuff supplied was a compound of linseed meal with cereals and weed-seeds. He would not have passed it as linseed-oil meal. It contained about 20 per cent. of foreign seeds.—Defendant said that he believed the stuff he had supplied was linseed-oil meal. The goods had not actually been in his possession. There was a small proportion of prussic acid in the purest of linseed.—The Judge gave a decree for 25*l.*

Sale of Food and Drugs Acts.

SWEET SPIRIT OF NITRE.

AT the Kensington Divisional Petty Sessions on September 28 (Colonel Webb in the chair), Mr. Albert Smith, chemist, 28 Archer Street, Kensington, who trades as

Hickman & Co., was summoned, under Section 6 of the 1875 Act, for selling spirit of nitre which the public analyst certified to be 31.6 per cent. deficient in ethyl nitrite. Mr. W. C. Leete, Town Clerk of Kensington, prosecuted, and Mr. C. H. Kirby (of Messrs. Neve, Beck & Kirby), defended on behalf of the Chemists' Defence Association.

Mr. Leete said that since the summons was issued the Public Health Committee of the Kensington Borough Council had before them certain correspondence which had reached them from Messrs. John Bell, Hills & Lucas, the wholesale merchants from whom the sweet spirit of nitre was purchased by the defendant. That firm had pointed out to them the very volatile character of the article. The committee were bound to recognise that Mr. Smith was a most respected chemist in Kensington, and were satisfied that there had been no intentional fraud on his part in connection with the sale of the drug. But inasmuch as the summons had been issued, they thought that the facts ought to come before the Bench. They felt, with regard to the sale of this drug, that as the standard laid down by the British Pharmacopoeia was taken into account by medical men when prescribing, it was absolutely essential that the chemists should do all in their power not only to see that they purchased it of the required quality, but also that while it was in their possession they should take precautions against its losing its quality, and that it was given to the purchaser in a proper condition. There could be no doubt that in this case there was the deficiency in the active principle as stated in the certificate of the public analyst. If the explanation to be given by Mr. Kirby on behalf of the defendant was deemed satisfactory by the Bench, he, on behalf of the Borough Council, had no desire to press for a conviction. It would satisfy the Council if the summons was withdrawn on payment by the defendant of the costs.

Formal evidence as to the purchase having been given, Mr. Kirby said that the defendant had done nothing that could in any way account for the deficiency of 31 per cent. On the contrary, he had taken all precautions in order to secure that the public should get the article of full strength. He purchased the spirit of nitre from Messrs. John Bell, Hills & Lucas on March 10, of this year, with the guarantee that every article they sold complied with B.P. requirements. On the label attached to the bottle in which the spirit of nitre was sold to defendant were the words:

"This preparation is manufactured strictly according to the directions of the B.P., and is carefully standardised, but owing to its instability it cannot be guaranteed to maintain its strength. Keep in a cool, dark place."

Mr. Smith kept the bottle in his cellar, which was both cool and dark, and he had the stopper tied over as he showed it in court, in order as far as possible to prevent evaporation. The bottle originally contained 16 oz., and it was only opened three or four times between the date of its purchase and that of the visit of the inspector, who was served direct from the bottle that was kept in the cellar. What more could a man do, under the circumstances, to ensure the public receiving the drug in full strength? The full explanation of the deficiency in this case was to be found, not in anything that Mr. Smith had done or had failed to do, but in the volatility of the article, which he could not control in any way.

A Justice: Will you tell us whether that is the stoppered bottle in which the spirit of nitre was received from Messrs. Bell, Hills & Lucas?

Mr. Kirby: This is the actual bottle in which it came from Bell, Hills & Lucas.

Mr. Leete remarked that samples of the drug were purchased from other chemists, and their inspectors did get it of full strength. There was no doubt that the purchaser who bought sweet spirit of nitre in which the percentage of active principle was so small ran a risk that ought to be avoided.

The Chairman: Do you wish to withdraw the summons?

Mr. Leete: I am prepared to withdraw on payment of

the costs, with the permission of the Bench. Mr. Smith is a most respectable man, and if we can avoid a conviction we shall be pleased.

The Chairman: Then we consent to the withdrawal on the terms you mention, but the feeling of the Bench is that it is the duty of the chemist to keep drugs up to the standard of what they should be. I think it is the duty of the chemist to know how he is to do this, whether by keeping the drug in small bottles or in large ones. If he does not do so, the Bench thinks it must be detrimental to the purchaser, in so far as he receives the drug stronger or weaker, as the case may be. If the latter, the person who takes the medicine does not receive the full value of the prescription as it was intended. We hope chemists will consider what has been said on the subject.

Mr. Leete said the remarks of the Chairman would receive full publicity. The case really involved a warning which was required by certain of the chemists.

Mr. Kirby expressed the opinion that it is now recognised that the standard of the B.P. is rather too high. It is under consideration by the committee which is preparing the new edition, whether the standard should not be lower because of the difficulty that chemists experienced in keeping the drug up to the present standard.

Mr. Smith expressed a desire to explain a point to the Bench, but he was not permitted to do so.

MAGNESIA.

At Greta Bridge on September 22, Arthur T. Wellburn, grocer, Cotherston, near Darlington, was summoned for selling magnesia which the public analyst certified to contain at least 80 per cent. of hydrated carbonate of magnesium. Inspector Honeywell, who proved the purchase, stated in cross-examination that he first asked for calcined magnesia, and defendant said he had only got two packets, but he had got other packets of magnesia, which he thought would be all right. He did not sell these as calcined magnesia, but as "magnesia." Witness got twelve packets. For the defence it was contended that in the circumstances the inspector purchased the magnesia at his own risk. Mr. Ralph W. Raine, J.P., chemist and druggist, Barnard Castle, and Middleton-in-Teesdale, stated, in evidence for the defendant, that assuming the packets contained oxide of magnesium, the effect of time and exposure would be to retransform it into carbonate of magnesium. Experiments carried out some years ago showed that oxide of magnesium exposed for five days engendered 14 per cent. of carbonate of magnesium. The Bench decided that there had been no intention on the part of the defendant to evade the law, and under all the circumstances of the case they had no alternative but to dismiss the summons.

Bankruptcy Report.

Re BERTRAND PHILLIPS, lately a director of John Phillips & Sons, Ltd., Sponge-importers, etc., Dingley Road, City Road, E.C.—The first meeting of creditors in this case was held at the London Bankruptcy Court on September 27. Mr. Egerton Grey, Official Receiver, reported that the debtor returned liabilities to the amount of 10,990*l.*, against assets estimated to produce 1,213*l.* and consisting chiefly of shares in John Phillips & Sons, Ltd. The failure is personal, and has no connection with the business of John Phillips & Sons, Ltd., which was registered twelve months ago with a capital of 40,000*l.*, debtor receiving 9,999 shares as representing his interest in the business. Some of these he had disposed of, and the remainder in the hands of the debtor at the date of the receiving order were valued at 1,196*l.*, but the company claimed a lien upon them in respect of overdrawn salary. The failure was attributed to losses on the Stock Exchange and by gambling and horse-racing. An offer was submitted on the debtor's behalf, and Mr. E. Layton Bennett, C.A., Broad Street Avenue, E.C., was appointed as trustee to administer the estate in bankruptcy, with the assistance of a committee of inspection.

THE ITALIAN REVENUE from the manufacture and sale of Government quinine during the fiscal year 1907-8 amounted to 80,444*l.*, against 70,205*l.* during 1906-7.

Gazette.

Partnership Dissolved.

INGE, E. G., and HOOPER, J., chemists, etc., Haslemere and Chiddingfold, under the style of E. Gane Inge & Co.

The Bankruptcy Acts, 1883 and 1890.

RECEIVING ORDER.

MAPPLEBECK, W., Liverpool, dentist.

ADJUDICATION.

LITWACK, JULIUS, Salford, Lancs, dentist.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

MILLARDS, LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To take over the business of C. H. Millard at 182 Church Street, Eccles, Lancs, adapter and maker of artificial teeth, tooth-extractor, etc. C. H. Millard is one of the first directors. R.O., 182 Church Street, Eccles.

BRITISH GRIT CO., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To acquire the business of the British Grit Co., Ltd., drysalters, manufacturing chemists, and bird-food manufacturers and specialists at Fleetwood, Lancs. The first directors are W. R. Cribb, B. E. Berry (managing director), H. P. Bentley, and F. Park.

GOADSBY & CO., LTD. (P.C.).—Capital 3,000*l.*, in 1*l.* shares. Objects: To carry on the business of paint, colour, varnish, and ink manufacturers, chemists, drysalters, etc., and to acquire the business and undertaking of Goadsby & Co. The first directors are R. G. Owens, A. W. Whalley, J. E. Gatenby, and L. W. Hunt. R.O., Queen Street, Bradford, Manchester.

J. C. ARNFIELD & SONS, LTD. (P.C.).—Capital 20,000*l.*, in 1*l.* shares. Objects: To take over the business of a manufacturing pharmaceutical chemist carried on by J. C. Arnfield at Stockport, Cheshire, and to carry on the business of chemists, druggists, opticians, rectifiers, methylaters, drysalters, distillers, drug-grinders, etc. The first subscribers are: J. C. Arnfield, Ph.C.; T. O. Arnfield, Ph.C.; and H. Arnfield, Ph.C., all of 7 and 9 Lower Hillgate, Stockport. J. C. Arnfield is the first director and chairman. Qualification, 1,000*l.* Remuneration as fixed by the company. R.O., 7 and 9 Lower Hillgate, Stockport.

MORTGAGES AND CHARGES.—Particulars of the following have been filed: *Phoenix Veterinary Supplies, Ltd.* Mortgage on certain freehold land, etc., to secure all moneys due or to become due to National Provincial Bank of England, Ltd., 112 Bishopsgate Street Within, E.C.—*J. H. Skelton, Ltd.* Legal mortgage to secure 100*l.* Holder, Mrs. B. Skelton, Elm Avenue, Beeston, Notts.

RECEIVER APPOINTED.—*Sharon Chemical Co., Ltd.* E. E. Pool, C.A., 25 Iron Gate, Derby, as receiver, under powers contained in first mortgage debentures.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. EDWARD EDISBURY ROWLAND, 36 Northwold Road, Upper Clapton, N.E., chemist and druggist, left estate valued at 1,770*l.* 8*s.*, of which 765*l.* 15*s.* is net personalty. (C. & D., February 13, p. 256.)

MR. ROBERT LLOYD, Ingle Villa, Flaxpiece Road, Clay Cross, retired chemist and druggist, left estate of the gross value of 8,105*l.* 17*s.* 11*d.*, of which the net personalty has been sworn at 3,520*l.* 9*s.* 4*d.* He left his property to his wife for life. On her decease 100*l.* to the "Chemists' and Druggists' Benevolent Fund." (C. & D., June 19, p. 954.)

MR. CHARLES ERIN, Fieldhead, Cockran Road, Surbiton, and 143 New Bond Street, W., pharmaceutical chemist, left estate valued at 33,266*l.* 1*s.* 3*d.* gross, with net personalty 33,168*l.* 13*s.* 3*d.* Probate has been granted to Mr. Arthur Ledsam Savory, 143 New Bond Street, W., and Mr. E. W. Williams, solicitor, 11 King William Street, E.C. The testator left 300*l.* and a selection of some article of his household effects to each of the executors of his will. (C. & D., August 14, p. 283.)

Births.

JONES.—At Pontardulais, on September 25, the wife of T. Albert Jones, pharmacist, of a son.

STABLER.—At 71 Wilmslow Road, Didsbury, on September 22, the wife of Edgar Stabler, pharmaceutical chemist, of a daughter.

STRACHAN.—At Cartref Ni, Greendykes Road, Dundee, on September 14, the wife of R. Guild Strachan, dispensing chemist, of a daughter.

Marriages.

GREEN—BENATER.—At Hammersmith, on September 18, John Holt Green, chemist and druggist, 11 Stedham Chambers, Coptic Street, W.C., to Maud Benater, of Fulham, S.W.

HUME—TILLEY.—At Cramlington, Northumberland, Robert Hume, chemist and druggist, Oxtou Road, Birkenhead, to Georgina Tilley, of Cramlington.

SMITH—BARLOW.—At Retford Parish Church, on September 23, Rowland Smith, chemist and druggist, Retford, son of Mr. John Smith, Fibshelf, Alfreton, to Hilda Annie, younger daughter of the late Mr. Wm. Barlow, of Retford.

WILLMOTT—PRICHARD.—At Rectory Road Congregational Church, Stoke Newington, London, N., on September 11, by the Rev. Fleming Williams, Alfred Wade Willmott, pharmaceutical chemist, Hastings, eldest son of Mr. W. W. Willmott, of Darlington, to Gertrude, daughter of the late Mr. John Prichard, of Upper Clapton.

Deaths.

BANNISTER.—At 59 Tregunter Road, South Kensington, S.W., on September 27, Mr. Richard Bannister, F.I.C., F.C.S., late Deputy Principal of the Inland Revenue Laboratory, aged seventy-four. Mr. Bannister entered the Civil Service in 1857, and five years later, having studied chemistry, he was drafted into the Government Laboratory, then at Somerset House. To this position he went with an excellent record, Professor A. W. von Hoffman having placed him first in the examinations of the year. He steadily progressed in the laboratories, so that when the Sale of Food and Drugs Act made Somerset House the referees in disputed analyses, Dr. James Bell, then Principal of the Laboratory, entrusted the supervision of this work to Mr. Bannister. Ultimately he became Dr. Pell's deputy, and it was expected that when the latter retired in 1894 Mr. Bannister would have been appointed his successor; for several reasons (none of them reflecting upon Mr. Bannister's ability or devotion to the Service) the Government selected Dr. T. E. Thorpe. Mr. Bannister felt keenly that he had not the opportunity of reaching the coveted position, but he set personal feelings aside and showed in his continued work as deputy-principal under Dr. Thorpe that the Service had first place in his affections. He retired in 1898, and since then had devoted much of his time to the chairmanship of the Civil Service Supply Association, Ltd., of which he was one of the founders. He was also chairman of other companies. The Government also drew occasionally upon his long experience when departmental inquiries were proceeding.

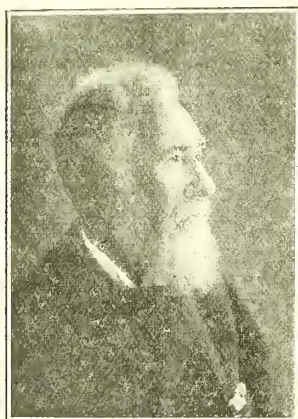
DAVIES.—Recently, Mr. G. E. Davies, chemist and druggist, formerly in business at the Powysland Pharmacy, Broad Street, Welshpool.

HENDERSON.—At Chirnside, on September 27, Mrs. Elizabeth Allan Anderson, wife of Mr. R. H. Henderson, chemist and druggist, Chirnside.

MUMBY.—At "The Gables," Garden Lane, Gosport, on September 22, Mrs. Mary Murch Mumby, widow of Colonel Chas. Mumby, chemist and druggist, aged eighty-five.

UMNEY.—At Fernbrake, Bournemouth, on September 29, Sarah Sophia, the beloved wife of Mr. Charles Umney, F.I.C., F.C.S. (Messrs. Wright, Layman & Umney, Ltd.), aged sixty-six.

SMITH.—At 40 Gladstone Place, Aberdeen, on September 23, Mr. John Smith, manufacturing chemist, aged



MR. JOHN SMITH.

eighty-six. Mr. Smith was born at Kintore, and was the only son of the postmaster of that Royal burgh. He was educated at Kemnay School, and as a lad went to Aberdeen in order to serve his apprenticeship as a chemist and druggist with the late Bailie Urquhart, one of the earliest Presidents of the Aberdeen Pharmaceutical Association. Subsequently, after several years' experience in retail pharmacy, he started in business on his own account as a wholesale manufacturing chemist in Littlejohn Street, and carried on a lucrative trade for a long period, retiring a number of years ago. Mr. Smith was held in high esteem in the neighbourhood, but he took no part in public affairs. He was married twice, and is survived by a widow, but no family. The interment took place on Monday, September 27, at Springbank Cemetery.

WATSON.—At 40 Oakfield Road, Ilford, on September 22, Mr. William Watson, chemist and druggist, aged sixty-two. Mr. Watson for many years carried on business at Roman Road, Old Ford. He died while reading a newspaper at his residence, heart-failure being the cause of death.

Personalities.

MR. R. J. WOOD, son of Mr. J. R. Wood, chemist and druggist, Sleaford, has been ordained deacon by the Bishop of Richmond (Yorks), and licensed to a curacy at Leeds Parish Church.

In our note on the loving cup presented by Mr. N. H. Martin to the Philadelphia College of Pharmacy, we omitted to state that it was given "in loving remembrance of American and English leaders in pharmacy."

MR. G. E. BRIDGE, chemist and druggist, as Mayor of Bournemouth, received last Saturday a large party representing the International Conference of Journalists, who visited the town in connection with the annual meeting in London. The Mayor presided at a luncheon given to the visitors, who were loud in their praises of his cordiality. Mr. Bridge has agreed to accept a third term of office.

Business Changes.

MR. WM. C. D. ROBERTSON, chemist and druggist, has opened a pharmacy at Port Seton.

MR. B. PUGH DAVIES, pharmacist, has opened at 27 Bridge Street, Haverfordwest.

MR. E. G. INGE, chemist and druggist, has purchased the business of Mr. W. Dennis, chemist, Mundesley-on-Sea.

MR. W. J. TILTMAN, chemist and druggist, East Ham, Essex, has closed his branch at 242 High Street, East Ham.

MR. PELHAM C. YOUNG, chemist, has purchased the business of Mr. T. J. Evans at High Street, Hounslow, London, W.

MR. F. ADAM, chemist and druggist, 33 Pigott Street, Birmingham, has closed his branch at 3 Islington Row, Birmingham.

MESSRS. FASSETT & JOHNSON have removed to their fine new warehouse, 86 Clerkenwell Road, E.C., formerly occupied by Warner's Safe Cure.

MR. A. HARRISON, chemist and druggist, has taken over the business of his uncle, Mr. T. E. Harrison, chemist and druggist, at 5 North Street, Sleaford.

MR. T. J. EVANS, pharmaceutical chemist, late of High Street, Hounslow, is opening a pharmacy at Royal Parade, Golder's Green, Hampstead, London, N.W.

MR. L. EVANS, chemist and druggist, late of Cainscross, Glos., has acquired the business of Mr. A. David, chemist and druggist, Cross Square, St. Davids, Pembrokeshire.

Contracts.

St. Albans Guardians.—Corbyn, Stacey & Co., London, for drugs.

Lichfield Guardians.—Davies, Sons & Co., Derby, for drug-supply.

Ongar Guardians.—Burgoyne, Burbidges & Co., for the drug-supply.

Orsett Guardians.—Baiss Bros. & Stevenson, Ltd., London, for drugs.

Chelmsford Union.—Burgoyne, Burbidges & Co., for the six months' drug-supply.

Chard Guardians.—Mr. L. N. Burch, chemist and druggist, Chard, for drugs, etc.

Weymouth Guardians.—Stedman & Co., chemists, Weymouth, for hospital dressings.

Upton-on-Severn Guardians.—Mr. H. J. Aubrey, chemist and druggist, Worcester, for drugs.

Watford Guardians.—W. H. Bailey & Son, for the half-yearly supply of surgical dressings.

Hollingbourne Guardians.—Stonham & Son, chemists, Maidstone, for the supply of drugs.

York Guardians.—Mr. T. Hey & Son, chemists, York, for disinfectants and disinfecting-soap.

Grantham Guardians.—Mr. H. Hopkinson, chemist and druggist, Grantham, for chemicals, etc.

Chester-le-Street Guardians.—Ismay & Sons, chemists, Newcastle-upon-Tyne, for the drug-supply.

Romford Guardians.—Mr. W. S. Steeples, chemist and druggist, Romford, for drugs at 22*l.* 4*s.* 2*½d.*

Doncaster Guardians.—Mr. M. H. Stiles, Ph.C., French Gate, Doncaster, appointed chemist for a year.

Narberth Guardians.—Mr. W. Palmer Morgan, Narberth, for the half-yearly supply of chemicals.

Birkenhead Guardians.—Evans Sons Lescher & Webb, Ltd., Liverpool, for drugs and druggists' sundries.

Daventry Guardians.—Mr. J. L. Hawksworth and Mr. A. Harrison, chemists, Daventry, for disinfectants.

Sheffield Union.—Evans Sons Lescher & Webb, Ltd., for drugs and sundries during the ensuing half-year.

Boston Guardians.—Mr. T. B. J. Booker, chemist and druggist, Boston, for quinine at 1*s.* 1*½d.* per 1-oz. bot.

Faversham Guardians.—Mr. J. T. T. Rolfe, chemist and druggist, Faversham, appointed chemist for six months.

Bishop Auckland Guardians.—Mr. W. Pickering, Ph.C., 104 Newgate Street, Bishop Auckland, for the drug-supply.

Alresford (Hants) Guardians.—Mr. E. D. B. Butler, chemist and druggist, Alresford, for chemicals and chemical apparatus.

Burnley Guardians.—Hartleys, Burnley, for concentrated mixtures; Mr. G. Foster, chemist and druggist, Burnley, for druggists' sundries.

Brentford Guardians.—W. H. Bailey & Son, for the half-yearly supply of waterproof sheeting at 73*l.* 2*s.* 6*d.* Several tenders ranged from the amount accepted to 138*l.* 2*s.* 6*d.*

Brentford Urban District Council.—Mr. A. Hawthorne, chemist and druggist, Brentford, for the supply of chemicals and antitoxin to the isolation hospital for the ensuing six months.

The Barking Council, after testing samples, are obtaining trial freight of super-alumina for sewage precipi-

tating purposes from the Alumina Co., Widnes, at 2*l.* 9*s.* 6*d.* in 10-ton lots.

Gloucester Guardians.—Mr. W. H. Hampton, chemist and druggist, Gloucester, for drugs; Messrs. R. J. Shepherd and A. J. Wells, Gloucester, appointed emergency chemists for six months.

Isle of Thanet Guardians.—Mr. V. J. Woolls, chemist and druggist, Margate, Mr. W. Word, Broadstairs, and Mr. D. T. Evans, chemist and druggist, Margate, for the supply of drugs; Mr. J. Winton, Ramsgate, for disinfectants at 3*s.* 9½*d.* per gal.

Smallburgh Guardians.—Mr. A. E. Beeston, chemist and druggist, Norwich, for cod-liver oil at 7*s.* 6*d.* per doz. ½-lb. bottles, Epsom salts at 2*d.* per lb., boracic powder at 10*d.* per lb., vaselin at 9*d.* per lb., linseed meal at 3*d.* per lb., and cotton-wool at 8½*d.* per lb.

Stourbridge Guardians.—Mr. Sidney Smith, chemist and druggist, Wordsley, for castor oil at 3*s.* 6*d.* per gal., Epsom salts at 1*d.* per lb., linseed meal at 16*s.* per cwt., lint at 1*s.* 3*d.* per lb., borie lint at 1*s.* 3*d.* per lb., Gamgee tissue at 7*s.* per yd., vaseline at 8*d.* per lb., starch powder at 6*d.* per lb., zinc oxide at 8*d.* per lb., borie acid at 6*d.* per lb., single trusses at 1*s.* 6*d.* each, and double trusses at 2*s.* each, methylated spirit at 2*s.* 6*d.* per gal.

Leatherhead Urban Council.—A. C. Young & Co., for carbolic acid; United Alkali Co., Ltd., for chloride of lime; Middleton Bros., for iron sulphide, Sanitas fluid, smoke-paper, etc.; Jeyes' Sanitary Compounds Co., Ltd., for Jeyes' fluid; Newton, Chambers & Co., Ltd., Sheffield, for Izal fluid and soap; Sanitas Co., Ltd., for formalin; Snowdon & Son, for carbolic powder; Lawes' Chemical Co., for Lawes' fluid; Quibell Bros., for Kerol fluid.

The Public Health Committee of Poplar has decided to duplicate the plant for the production of electrolytic disinfectant fluid at an estimated cost of 430*l.* During the present year 17,794 gals. of the electrolytic fluid was made, of which 326 gals. was distributed in August. The total cost of material in manufacturing this amount of the fluid was 37*l.* 19*s.*, divided up as follows: Electricity, 18*l.* 13*s.* 6*d.*; chloride of magnesium, 10*l.* 7*s.*; salt, 4*l.* 18*s.*; caustic soda, 3*l.* 2*s.* 6*d.*; water, 18*s.* Bottles, corks, and labels cost 25*l.* 10*s.* 3*d.*, and sundries amounted to another 20*l.* 6*s.* 11*d.*

Wolverhampton Guardians.—For six months' supplies at estimated values: Corbyn, Stacey & Co., Ltd., for the workhouse drugs at 60*l.* 11*s.* 2½*d.* and to the dispensary at 27*l.* 19*s.* 5½*d.*; Mr. W. G. Taylor for surgical dressings at 33*l.* 8*s.* 1½*d.*; also Brown, Hopwood & Gilbert for dry-saltary including carbolic soap (Gossage's "National") at 17*s.* 3*d.* per cwt., soda at 3*s.* 0½*d.* per cwt., borax at 1½*s.* 6*d.* per lb.; G. Lovatt, for Calvert's carbolic soft soap at 1*l.* 6*s.* per cwt.; G. Greenstone, for linseed oil at 2*s.* 1*d.* per gal., boiled oil at 2*s.* 2*d.* per gal., turpentine at 3*s.* 3*d.* per gal., whiting at 1*s.* 2*d.* per cwt., glue at 2½*d.* per lb., and red-lead at 16*s.* 6*d.* per cwt.

Tiverton Guardians.—For six months' supplies: Mr. T. E. Rossiter, chemist and druggist, Tiverton, for trusses at 1*s.* 9*d.* to 2*s.* 3*d.* each, invalid bovril at 32*s.* 4*d.* for 7 lb., combs at 1*s.* 6*d.* to 4*s.* 6*d.* per dozen, disinfecting-fluid at 3*s.* per gal., elastic stockings at 2*s.* 6*d.* each, fullers' earth at 2*d.* per lb., hair-brushes from 9*d.* each, chloride of lime at 2½*d.* per lb., cod-liver oil at 9*d.* per pint, flask oil at 10*s.* 6*d.* per case of thirty, Sanitas oil at 5*s.* 9*d.* per ½ gal., glycerin soap at 1½*d.* per tablet, soda-water at 3*s.* 6*d.* per doz.; Mr. H. E. Hatt, chemist and druggist, Tiverton, for fly-papers at 5*s.* per gross, methylated spirit at 2*s.* 9*d.* per gal., linseed oil at 2*s.* 5*d.* per gal.; the Sanitas Co., Ltd., for insect-powder at 2*s.* 6*d.* per lb., carbolic soap at 26*s.* per cwt., coal-tar soap at 1*s.* per lb., and soft soap at 24*s.* per cwt.; Ellerton & Son, for turpentine spirit at 2*s.* 9*d.* per gal., whiting 14 lb. for 6½*d.*, arrowroot at 4½*d.* per lb., mustard at 4*s.* 2*d.* per 6 lb., sea salt 1*s.* per 7 lb., bay salt 10*d.* for 7 lb., soda at 3*s.* 8*d.* per cwt.; Mr. H. B. Payn, for brimstone at 9*d.* per 7 lb., borax at 2*d.* per lb., vinegar at 1*s.* 2*d.* per gal., crushed linseed at 1½*d.* per lb., white pepper at 8½*d.* per lb., and saltpetre at 3½*d.* per lb.

MARACAIBO CHEMICAL IMPORTS.—The imports of chemical products into Maracaibo during 1908 amounted in value to 17,158*l.*, against 13,891*l.* in 1907.

Agri-Horticultural Poisons.

Consideration of Applications.

OLDHAM.—The Watch Committee recommend that three applications be granted. Mr. C. Gartside (President of the local Chemists' Association) and Mr. H. Bagshaw opposed the applications.

Applications Granted.

GLAMORGANSHIRE.—The County Council on September 23 adopted the recommendation of the Local Government Committee to grant the applications of Messrs. Norton & Co., nurserymen, Penarth, and Mr. John Rees, drug-vendor, Llantwit Major.

Application Refused.

PETERHEAD.—The Town Council on September 27 had before them the application by Mr. W. Annand (C. & D., September 18). Mr. John Collicie, chemist and druggist, appeared in opposition to the application on behalf of the local chemists.—The application was refused by five votes to four.

Trade Notes.

DR. LOCOCK'S PULMONIC WAFERS are one of the oldest proprietary remedies for coughs and colds. Wholesale supplies are obtainable from Messrs. Da Silva & Co., 2 South King Street, Manchester.

"RATTO" has been registered by Messrs. F. Farmer & Co., 17 Poole Road, South Hackney, London, N.E., as the trade-mark for a special bait for rats and moles. "Ratto" is packed in cartons and sells at 6*d.*, 1*s.*, and 2*s.* 6*d.* A feature of this rat-bait is that it keeps perfectly in any climate.

SPECTACLE AND EYE-GLASS CASES.—Messrs. Nitsche & Günther, optical works, 66 Hatton Garden, London, E.C., have issued a revised price-list of spring-lid cases in which are included several new patterns and designs. The firm also issue particulars of the Kryptok bi-focals with trade and retail prices.

MESSRS. BURROUGHS WELLCOME & Co.'s latest achievement in first-aid requisites for aviators is "a surgery in a cigarette-case." The contents provide for the treatment of burns, contusions, lacerations, etc., besides ammonia vaporoles for fainting. The case is of aluminium, and is now exhibited at the Exposition Internationale de Locomotion Aérienne in Paris.

THE "GILLETTE" WAY of easy and safe shaving has been rendered still smoother by the introduction of a special "Gillette" shaving-stick to retail at a shilling. We have tried the soap and find that it gives a good lather which neither smarts the skin nor dries before the shave is done. Gillette Safety Razor, Ltd., 17 Holborn Viaduct, London, E.C., put the soap on the market, and advertise it along with their safety razor, so that chemists will have a demand for it.

WRIGHT'S COAL-TAR VAPORISER is now in season, and the prevalence of whooping-cough is an opportunity for chemists to bring the vaporiser under the notice of medical practitioners and other customers. To assist chemists to do this, Messrs. Wright, Layman & Umney, Ltd., 43 Southwark Street, London, S.E., will be glad to send a supply of printed matter in which the vaporiser is illustrated and described. Both the vaporiser and the coal-tar vaporising-fluid are on the P.A.T.A. list.

AN EAR-MOP which is selling faster than it can be produced has been designed by a City chemist. It consists simply of a double strand of wire with a mop of cotton fibre at one end, which mop is far more pleasant to clean out the aural cavity than a sponge is. The chemist puts a dozen of the mops in a box to retail at a shilling. We do not mention his name, because we understand that he is not ready to offer his invention to "brother chips"; the object of this note is simply to emphasise the fact that a good idea carried out well and cheaply in the retail drug-trade is still able to carry one to the gate of fortune.

HEALTH MILK BONEBONS.—Messrs. Arthur H. Cox & Co., Ltd., of Brighton, have quite risen to the possibilities of the health milk treatment as formulated by

Professor Metchnikoff. The lactic-acid bacilli to be useful *per se* must be taken regularly and with saccharine matter. When that is done the influence of the bacilli is soon exerted, and is manifested to the patient in the increased feeling of well-being and improved intestinal condition. What Messrs. Cox have now done to still further popularise the treatment is to combine the "Bacillus of Massol" in delicious chocolate creams which they have entitled "Massolettes." These are made by a process which has been patented. They are put up in dainty boxes of white and gold, each box containing two dozen massolettes. One or two of the bonbons are taken after the morning or evening meal. A box retails at 2s. 6d., and gives the chemist a good profit as well as a new line of business.

SHOP-WARMING.—With the approach of winter the consideration of the means of warming the pharmacy becomes a practical question. It is now well recognised that it is impossible to expect assistants to do good work in a cold shop or laboratory. Of the methods of warming the pharmacy none is so convenient as the employment of gas. These remarks are prompted by an inspection of the St. Andrew gas-heated steam-radiators made by Messrs. Wright & Co., Essex Works, Birmingham, which are specially recommended by that firm for heating chemists' shops. The only fitting required is a connection with the gas-supply. A small quantity of water is filled into the base of the radiator and the gas lighted. The water is converted into steam within the loops of the radiator, which then give off heat for warming the shop. When the apparatus becomes thoroughly heated the supply of gas is automatically diminished by means of an ingenious gauge which is worked by the pressure of the steam within the radiator. There is also a neat arrangement for letting out air; this also works automatically. The radiators are finished in black enamel, and are made in three heights, 39 in., 32 in., and 26 in., the depth in each case being 10½ in. The plain design, which is the one recommended for use in pharmacies, makes an unobtrusive but perfectly efficient apparatus for shop-warming. Chemists who are undecided as to what warming-apparatus to instal should write to Messrs. Wright & Co. for a descriptive booklet, which gives full particulars, including the prices of the various sizes.

Westminster Wisdom.

A Record of Parliamentary Progress.

THE SALE OF SECRET MEDICINES.

We are informed that it is the intention of Captain Craig to introduce next Session a Bill for the purpose of compelling the proprietors of all patent medicines to print on the label the nature of the ingredients. Captain Craig's recent questions to the Home Secretary will be remembered. He will probably ballot for a Bill at the commencement of next Session, and, failing that, he will introduce his Bill under the ten-minutes rule.

"Mr. Gladstone informed me on Wednesday" (writes our Parliamentary representative) "that it is not his intention to announce his decision as to the appointment of the Departmental Committee until next Session. In the interval the officials of the Home Office will consult with the Privy Council and the representatives of the various interests concerned."

THE CINEMATOGRAPH BILL.

In the House of Lords at a late hour on Tuesday evening the Cinematograph Bill passed through Committee. A special section was added to the Bill laying down provisions for dealing with the case of cinematographic entertainments of a movable character in tents and other structures, and a penalty of 10*l.* for obstructing the officers of the county councils or other authorities in the execution of their duties was also agreed to.

Taxation of Medicinal Spirits.

In the discussion of the Finance Bill in the House of Commons in the early hours of Friday, September 24, Sir William Bull, the Conservative member for Hammersmith,

moved to leave out Sub-Section 2 of Clause 61, which is as follows:

"The duties of Customs on the articles mentioned in Part 2 of the third Schedule to this Act, being articles in which spirit is contained, or in the manufacture of which spirit is used, shall be proportionately increased, and there shall accordingly be charged, levied, and paid the duties specified in that part of the Schedule." (The reference is to Part 2 of the third Schedule, comprising the Customs-duties on chloral hydrate and other chemicals made from alcohol.—*EDITOR C. & D.*)

Sir William said: I earnestly appeal to the Chancellor of the Exchequer to reconsider this question of taxing medicinal spirits. This is not a question of luxury, but of necessity. When people are ill, spirits of this kind are ordered, and they are bound, willy-nilly, to take them. This is a very heavy tax on people who are ill able to afford it. A large number of our hospitals are struggling under great difficulties, and the increase here is estimated for some of them to amount to 2,000*l.* or 3,000*l.* a year. I have been in communication with several large chemists throughout the country, and this morning I had a letter from one who stated that he did not trouble about the tax because he simply intended to put it all on to the consumer. I had a letter from another, who said that his bill in connection with these spirits would be over 3,500*l.* a year. Taking the London hospitals alone, I understand the tax will amount to over 50,000*l.* The tax is bound to be extremely unpopular among the poorer classes. Even a poor man who has to have a tooth out under gas will have probably to pay more fees on account of the tax.

Mr. C. E. Hobhouse (Financial Secretary to the Treasury) said: As I understand, the proposal is to leave the duty on certain articles which are specified in the second Schedule as they are at the present moment. That would be a very difficult thing to do. The late Lord Ritchie, when Chancellor of the Exchequer, brought in a Bill in 1903 to try to do something of the sort. That Bill failed. The views held by the hon. gentleman opposite were for some little time held by the Pharmaceutical Society, which sent a deputation to the Chancellor of the Exchequer. They heard what was to be said by the Board of Customs and Excise on the question, and they went away satisfied that the proposals embodied in this amendment were impracticable, for this reason: If you gave spirits duty free to chemists and hospitals you could not subsequently control the disposal of the spirits by the person who was entitled to obtain the spirits duty free. He could distil the spirits out of the particular articles mentioned in the Schedule, and you could not say whether they were used in a hospital or elsewhere. It would be impossible to say whether the chemist had disposed of them to the nearest public-house, or whether he really served them for the purpose of medicine. The objections, therefore, to giving the exemption are not so much theoretical as practical. The Government cannot accept the amendment, and I hope that the Committee will not agree to it.

Mr. Austen Chamberlain: I am not surprised to hear the right hon. gentleman say that the practical difficulties in the way of accepting this proposal would be very great. Nobody who has not had access to official information and advice is in a position to discuss the matter in the same way as those who are dealing with such affairs, or to say whether the difficulties could be overcome. For certain purposes they are overcome now. Under a Bill which was passed in, I think, the first Session of this Parliament—a Bill which I had previously tried to pass—spirit is allowed for certain manufacturing purposes to be issued duty free.

Mr. Lloyd George indicated dissent.

Mr. Chamberlain: The Chancellor of the Exchequer is thinking of the old Act, which required that the spirit should be rendered impotent—"denatured" was the technical term—before it was issued. Substantially that met the case wherever it was possible to use denatured spirit. But the progress of science as applied to manufactures rendered it necessary in certain manufactures that pure spirit, and not denatured spirit, should be used. I believe it is called "silent spirit." It is pure alcohol, with

neither taste nor smell, out of which you can concoct whatever blend of spirit your customer may desire. At any rate, it was made clear that British commerce was hampered through our manufacturers not having the same facilities in regard to the use of this spirit as were enjoyed by their foreign competitors, and especially by the Germans, who have carried the application of chemistry to industry to a very high point; and I did seek, in my last year of office, to pass a Bill to render the issue of pure spirit to our manufacturers possible where we were satisfied that it could be done without fraud. I was unable to pass that Bill; but it was passed, I am glad to say, by the present Prime Minister, as Chancellor of the Exchequer, I think, in the first Session of the present Parliament. Therefore, for the purposes of manufacture, it is now permissible to issue pure spirit without payment of duty, on whatever security the Excise require being given that the spirit shall be used for the purposes for which it is nominally taken. I am not quite clear about the position, but I think it is possible that that spirit disappears in the process of manufacture, and that, therefore, if there were to be any fraud it must be drunk before it is used in manufacture, as it cannot be extracted afterwards. If that is so, it does make a distinction between the case of these drugs and such cases as are now within the limit of the law. Whether it would not be possible for the Excise to take sufficient security in the case of chemists, speaking without access to official information, I cannot say. I only hope that the Government have seriously considered the question before they decided that it was impossible to make that distinction. If they have seriously considered it, and the statement made by the Financial Secretary is their considered judgment, I am not in a position to dispute it, and I do not dispute it. But I do say that this is one more reason against adding to the very heavy spirit-duties which have already passed. We think of this tax as a tax on spirituous liquors drunk for pleasure or comfort. But here it is working out as a very heavy tax on drugs, and on drugs which have to be used by all classes of people equally, and by charitable institutions to a very great extent, and the addition which is being made will be a very serious tax upon hospitals, dispensaries, and other institutions of that kind. It is an incidental result of the tax which, of course, the Government did not contemplate, and which, no doubt, they would be as glad as anybody else to avoid. But if they say it is unavoidable, the conclusion to be drawn is that there are even more objections to the additions made to this tax than appear on the surface.

Mr. Lyulph Stanley (Liberal member for the Eddisbury Division of Cheshire) remarked: I would like to say a word on this subject, having been at one time of my life a student of science. I would like to point out to the right hon. gentleman who has just spoken that there are certain processes of manufacture in which alcohol is used as a solvent, and can be recovered again and again. In the dyeing-industry it is used very largely as a solvent, and can be recovered. But I rose mainly to speak of the articles contained in Part 2 of the Schedule. I do not wish to pose as a greater scientist than I am, but anyone who has followed this subject at all will know that several of these articles cannot produce alcohol at all. Of course, by a series of elaborate chemical operations you can get alcohol from them, but when you have got it it is not really potable in a form which can be drunk. Chloroform, for instance, would require a considerable series of operations before you could get alcohol, and there are several other things which it may be desired for fiscal reasons to tax, but which cannot produce alcohol, which would compete, though they could produce it for the purposes of intoxication. I would urge upon the Chancellor of the Exchequer to reconsider the arguments used on the Front Bench against removing this tax and basing it, as I think it properly could be based, probably upon purely fiscal reasons.

Mr. A. Fell (Conservative member for Great Yarmouth) said: This tax will fall on these substances which have been mentioned, and surely it cannot be supposed that

those who use these drugs would distil from them spirit which might be potable and might be used for other purposes in connection with whisky. If this tax is really intended, then I say that the Chancellor of the Exchequer has a very poor opinion of those who conduct hospitals and dispensaries. This tax amounts to an increase of from 35 per cent. to 37 per cent. in the duty. In one hospital alone it will amount to 250% a year. No one can say that is not an appreciable amount in the case of a single hospital, especially at times like these, when subscriptions are falling off. These institutions are hit heavily. Besides, the amount which the Government will get is comparatively small. The real object of this duty is to get a large amount of revenue from whisky, and in the circumstances I really think hospitals and dispensaries, photographers and dentists, and others, should be saved from the burden of this extra duty, especially considering the enormous duty which is already being derived from the duty on drugs. In a country like England it is hardly necessary to tax things which are used in times of stress and trouble, or that hospitals and dispensaries should be subjected to an unnecessary burden.

The question was then put—"That the words proposed to be left out stand part of the clause." The Committee divided, with the following result: Ayes, 159; noes, 84.

Subsequently Sir William Bull moved in Sub-Section 3 of Clause 61 to substitute "one shilling" for "three shillings and ninepence" per proof gallon additional Excise-duty on spirits. In the course of the debate Mr. T. M. Healy commented upon the tax on chloroform being one "on hospitals, on charity, and on photographers," and criticised the proposals from the point of view of Irish distilleries. Eventually the amendment was negatived by 112 votes to 95.

On the motion that the clause stand part of the Bill, Mr. Watson Rutherford protested on behalf of Jamaica, which has three principal products—logwood, sugar, and rum. He said the logwood-trade has been entirely spoiled and lost owing to the new discoveries of the manufacture of dyes out of tar. The consequence is that during the last two years the island has been obliged to rely entirely upon its sugar and upon its rum, and the additional tax on spirits would, he said, be a loss practically irreparable. The clause was then added to the Bill, and the House adjourned at 4.47 A.M.

MOTOR-SPIRIT, INCLUDING BENZINE.

Clause 64 was reached at another sitting later in the day. It deals with the duty of 3d. per gallon on motor-spirit. Captain Craig moved to omit Sub-Section 7, which applies to manufacturing and dealing in motor spirit existing provisions with respect to the manufacture of saccharin. The hon. member's remarks referred to this apparently roundabout way of getting at something, and Mr. Hobhouse explained, in reply, that all that is proposed is to give the Commissioners of Customs and Excise power to control the dealers in and the manufacturers of motor-spirit in the same way as they have power to control and regulate the manufacture of any other excisable article. Thereupon Sir Edward Carson said he did not think the Government knew what they were about, and Captain Craig appealed on behalf of grocers, hardwaremen, and others who stock petrol for some simpler provision than the sub-section expressed, and Mr. Stanley Wilson said:

"There are many chemists in this country who sell benzine in small quantities. Benzine is a motor-spirit. Will these chemists have to have a licence in order to sell the small quantities of benzine which they sell in all parts of the country? As far as I can see, under this sub-section every one of them will have to have a licence. It is absolutely absurd that a regulation which applies to saccharin should be made to apply to motor-spirit. I cannot understand why these saccharin regulations were selected."

Mr. T. M. Healy also adversely criticised the proposal, as well as other members in different parts of the House, and eventually the Chancellor of the Exchequer said he was confident that there would be no desire on the part of the officials to do more than was necessary to secure the revenue. There need be no apprehension that the power

would be used vexatiously.—The amendment was defeated.

MATURED SPIRITS.

Sir John Batty Tuke has given notice to insert at the end of the third schedule the words here given in italics :

For every gallon computed at proof of spirits of any description (except perfumed spirits), including naphtha, or methylic alcohol, purified so as to be potable, and mixtures and preparations containing spirits *which have matured in bond in the cask for a period exceeding one year, 2s. 9d.*

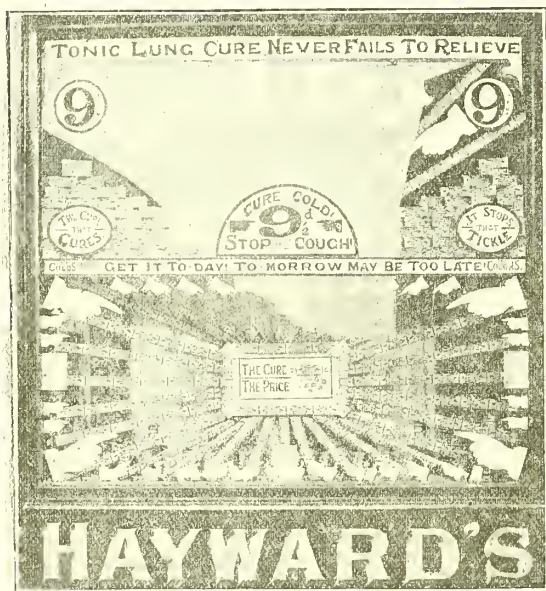
The effect of the amendment would be to reduce the additional duty on matured spirits from 3s. 9d. to 2s. 9d. per proof gal.

LICENSED GROCERS' SALES.

In regard to the minimum quantity of spirits to be sold by off-licence retailers, Mr. Devlin and Mr. Mooney have given notice to omit from Schedule 1, which says "a person holding the off-licence to be taken out by a retailer of spirits may not sell spirits in open vessels, or in any quantity less than one reputed quart bottle," the words "or in any quantity less than one reputed quart bottle." It is, however, announced that the Chancellor of the Exchequer has, in response to the deputations from grocers in Scotland, conceded their full demand that the present unrestricted sale will be allowed on the condition that the liquor is sold in sealed vessels.

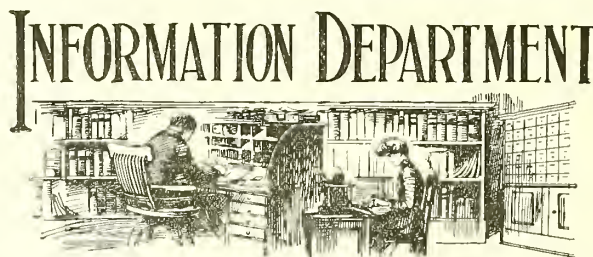
Chemists' Windows.

Contributed by "C. & D." Subscribers. The Editor will be glad to receive photographs of effective window-displays for inclusion in this section. Notes on the displays should accompany the photographs.



Looks Like a Tunnel.

This engraving is from a photograph of the shop-window of Hayward's Cash Drug-stores, 132 Church Road, Bristol. Mr. H. G. Hayward, who arranged it, says: "It proved a rare seller. The centre card, which is fixed at the back of window-enclosure, has upon it a carton as the 'cure,' and for the price nine pennies and a halfpenny are affixed underneath. From this to the window-pane radiate ordinary ceiling laths, upon which are fastened cartons of the Lung Cure. On the pane (outside) are pasted, as a border, cut-out hands and four bills of the cure. The appearance of the lower portion of the window from the road opposite is like looking down a tunnel, and is very effective. The top of the window has a half-circle bill in the centre, which shows as a transparency at night, with light behind it. From this radiate cartons (on ceiling laths) with cut-out hands in the intervening spaces. The whole took very little time, the writing of window-strips, tickets, etc., taking up the greater part. The whole of window, cartons, etc., is in crimson and white."



The object of this department is to supply our subscribers with the names and addresses of manufacturers and agents, or other business information which they may be in need of. Inquiries should be sent by post, addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C." The information is supplied in most cases from references in our private registers; if not immediately obtainable, an inquiry is inserted free under "Information Wanted" in the next published issue of "The Chemist and Druggist." Urgent inquiries by telegraph or telephone are attended to, but they should, when possible, be confirmed by post.

Inquiries in regard to dispensing, legal, practical, technical, or other pharmaceutical subjects should be addressed to The Editor, who will reply to them in the Correspondence Columns.

Information Wanted.

We would be obliged if readers would reply, by postcard or otherwise, to any of the subjoined inquiries. Replies should be addressed to the "Information Department of 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

- 180/9. Where can "Entericin" (said to be the active principle of monsonia) be obtained?
- 179/55. Address of firms who repolish plate-glass windows after they have been scratched.
- 178/57. What is "Compound Coral Powder," and where obtainable?
- 181/3. Wholesale dealers in "Odeon" talking-machines and records.
- 181/11. Makers of "Salutis Soap."
- 181/22. Where can Dickin's "Antiseptic Tooth-powder" be obtained?
- 181/24. "Royal Moonflower Scent" (Lilla Reina de Paris): where obtainable?
- 179/43. "Monarch" crystals (in 1s. tins) for clarifying beer: where obtainable?
- 181/62. Where can "Serica" soap be obtained?
- 182/48. Makers of "Mrs. Evelyn's emergency towels," compressed.
- 181/15. Who supplies cash-register slips—"Received on Account," "Paid Out," "Assistant's Daily Statement," etc.?
- 183/14. Eel oil, where obtainable?

Information Supplied.

In reply to inquiries, information has been sent to subscribers and others by our Information Department in regard to the following subjects. The information will be repeated to any others requiring it who send a stamped and addressed envelope for the purpose to the Information Department as above. The subject of the inquiry and the registration number should be exactly quoted.

- | | |
|----------------------------------------------------|----------------------------------------------------|
| Astringent pencils, 2d. (in glass tubes) (131/21). | "Mikado" toilet paper, makers (219/33). |
| "Coslett" anti-rust process (178/51). | "Olfa" perfumes, makers (180/13). |
| Cuticura remedies, British agents (183/14). | "Papayans" (Bell's) (177/5). |
| "Cystopurin," makers (181/23). | "Peralia," makers (181/29). |
| Domette bandages, makers (180/71). | Puffs, actual makers (179/2). |
| "Eberzine" preparations, makers (181/29). | Russian turpentine, double refined (180/43). |
| Horlick's food, makers (180/11). | "Salothyme," makers (181/29). |
| "Ingrain" marking pencils (177/56). | South Australian honey (179/60). |
| "Kangaroo Island" eucalyptus oil (179/60). | "Spirone," agent (181/27). |
| Karonium bromide, makers (178/26). | Swift's arsenate of lead, British agents (182/70). |
| "Vichettes," makers (180/6). | "Thelma" preparations (178/8). |
| | "Trikesol," makers and agents (180/10). |
| | "Medinal," makers and agents (182/57). |

A CHEMIST IN THE NORTH was induced to buy some dozens of a preparation put up by a small firm. He made a window-display, and a few days thereafter a letter was received from the traveller stating that the article must be stamped. "I do not know how the Inland Revenue people have reasoned it out," he concluded, "for their decision is quite contrary to mine." That is the worst of falling foul of a Government institution!

Observations and Reflections.

By "Xrayser"

What to Talk About

in the coming winter session is, or ought to be, a matter of some anxiety to those who are responsible for organising the meetings. "There is no lack of subjects for discussion," says the *C. & D.*, and the same authority offers two or three prominent topics as samples. The formation of sane and definite opinions by pharmacists on such subjects as proprietary medicines and dispensing by medical men is obviously desirable, but "the aftermath of the Poisons and Pharmacy Act" is a little to be dreaded. For the first time this century there will be no Pharmacy Bill in draft or before Parliament to be considered; terms have been patched up with our chronic foes, the companies; and licensed poison-vendors have come to stay. It can hardly be expected that the well-trodden avenues of controversy which these titles suggest will be completely closed, and it may be as well that the policy which led to the new conditions should be carefully reviewed; but there are limits to the usefulness of reflections and recriminations, and too much of them can only be a waste of time.

Buying and Selling a Business

is a troublesome enough event, especially for those chemists who only do it once or twice in their lifetimes. To such, at least, the advantage of being represented by an experienced agent which carries through the transaction is very appreciable. But reports like the one from the City of London Court which we had last week are calculated to give us a perhaps exaggerated idea of the risk involved of having to pay two or more commissions, or of having to contest a claim respecting which it is obvious the law is not too clearly defined. In the case referred to Judge Rentoul came to two opposite conclusions as the evidence went on, and it is not easy for a lay reader to ascertain exactly the point which induced him to prefer one of these solutions to the other. No doubt he could have given a sufficient legal explanation if he had chosen to do so, but even then we cannot resist the uncomfortable conviction that if a judge could be so readily swayed by almost intangible considerations, it cannot be surprising if an unsophisticated vendor should sometimes pay commission to the wrong person, and sometimes, perhaps, pay it again to a second claimant. It would be in their own interests if the transfer agents associated with our trade would confer and draw up some definite and easily understood scheme to protect their clients from duplicate claims, while leaving them free to get the benefit of various competing agencies if they so desired.

Dr. McWalter's Paper,

entitled "How to Deal with the Quack-medicine Traffic," read before the British Medical Association at Belfast last month, was published in full in last week's "Medical Press." As might be expected, the accomplished Dublin medico-legal pharmacist expresses his opinions with considerable emphasis and without much tenderness towards the "infamous traffic" which he attacks. A brief analysis of the figures given in his paper is instructive. He informed the Association that last year the so-called "patent medicines" were bought to the extent of 2,400,000*l.*, out of which a toll of 340,000*l.*—"wages of sin," the doctor called the tax—was taken by the British Government. That sum, which represents less than twelve hours' expenditure by our Treasury, he treats as sufficient to square the Whitehall conscience. The Press is much more rapacious. Its total share is 1,500,000*l.* per annum. Whole-

sale and retail dealers take at least 20 per cent. of the total plunder—say, 480,000*l.*; and perhaps even Dr. McWalter would allow a paltry 1 per cent., or 24,000*l.* for the cost of the medicinal ingredients in the 2,400,000*l.* worth of stuff sold. These disbursements total 2,344,000*l.* and leave 56,000*l.* to pay for bottles, boxes, rents, salaries, postage, and travelling-expenses before net profits are arrived at. Surely, if these statistics may be trusted, these patent-medicine men must be the principal philanthropists we have, and if they are as smart as I take them to be, they will not be long before they join in the demand for a Royal Commission or Select Committee which should be required to investigate the allegations made against them, and perhaps testify to their cures and compare them with those of their traducers.

A New Medicine-stamp

is being engraved by the Board of Inland Revenue, and the Home Secretary has stated that one of its features is to be that it will make it clearer than the present one does that the Government does not guarantee the quality or the virtues of the medicines to which it is attached. This is about as senseless a way of spending public money as could be devised. The words on the present stamps are as explicit as the English language is capable of, and we must be a pretty stupid nation if even these are necessary. Nobody supposes that the stamp on a cheque ensures the validity of that document, and there is no reason to regard the revenue stamp on a remedy with greater reverence than we feel towards the other insignia of the Exchequer. But if it is the fact that the population of Great Britain needs to be told an obvious fact more emphatically than the existing stamps tell it, there is reason to question whether it is worth while continuing the expenditure of fifteen millions a year on elementary education.

"Christian Leeches"

were sold for a guinea a dozen a hundred years ago. In last Saturday's "Times" an advertisement of these commodities, offering them "fresh from the country," was quoted from the issue of that paper of September 26, 1809. Presumably these were the animals used in medicine, and much more prized then than now. The complimentary adjective may have been applied to them to distinguish them from their relatives the horse-leeches; while the enormous price and the apparent home production are probably accounted for by the "Continental system" at that time in force, whereby Napoleon was endeavouring to deprive Great Britain of all trade communication with the countries of Europe.

Stowe's "Survey of London,"

from which some particulars concerning Bucklersbury, the old street of apothecaries, were quoted recently, may be drawn from again in regard to two other City localities closely associated with the drug-trade. Mincing Lane had been originally Munchcon Lane, and was so-called because a part of it belonged to the nuns of St. Helen's, Bishopsgate, and I suppose a munchcon was a female monk. The lane was principally occupied by Genoese traders, who brought wine and other merchandise in galleys, and became known as "Galley-men." Cannon Street as it is now is only about fifty years old, but its progenitor, Candlewick or Candlewright Street, is very ancient. Mr. Kingsford, the editor of the "Survey," gives some particulars of the history of this street in a note. He finds it named Candelwrich Strete in 1180, Candelwiccestrate in 1259, and Candelwrlittestrate in 1272 in official documents. Later it became Candelwyke; and from this Canwick Street. Records of "chaundlers" and wax-chandlers settled in the street are found as far back as 1311, but makers of a coarse cloth called "burel" also occupied the same locality in very early times, though obviously it was the candle-makers from whom it derived its name.

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LIQUORS

Editorial Comments.

British Inland Revenue.

THE Commissioners of his Majesty's Inland Revenue have apparently found their Report for the year which ended on March 31, 1909, a heavier task than usual, for it has been issued a month late. Except the old-age pensions and somewhat more elaborate statistics regarding death-duties it is difficult to find anything in the Report to account for the delay; but these remarks are not made in protest, for the Report is so valuable that it must be welcome at any time. It is one of the most important, if not the most important, public documents of the year, and it must be said that the majority of public men—even the majority of members of Parliament—do not show by their utterances that they are familiar with it, although familiarity is essential to proper consideration of fiscal questions.

Taking first the duties of Excise, we find that the net receipts were 33,690,518*l.*, of which 12,691,332*l.* was from beer and 17,456,366*l.* from spirits. The consumption of beer again showed a decrease, 32,751,733 barrels being retained for home consumption, equal to 26.47 gals. per head of the population: the consumption was 32.29 gals. per head in 1899-1900. The average specific gravity of English beer was 1052.47, of

Scotch 1049.16, and of Irish 1064.23. A great deal of nonsense is talked about bad beer, especially as regards hop-substitutes. Last year 4,479 lb. of such substitutes were used by 4,625 brewers of less than 100,000 barrels, and they used also 32,512,916 lb. of hops, the total being 62,971,755 lb. Forty-six brewers who make 20½ out of the thirty-five million barrels of beer use no hop-substitutes. Out of 4,671 brewers one figures in the table as using malt and hops alone; but others may be hidden in groups, for the one referred to brewed 2,132,485 barrels, and the next to that is the person or firm who under four licences brewed 1,114,041 barrels. Besides 50,960,923 bushels of malt, 91,069 bushels of corn, 1,278,988 cwt. of rice, maize, and the like, and 2,883,269 cwt. of sugar, glucose, and saccharum were used as brewing-materials. The Commissioners remark upon the great decrease in the number of brewers not for sale—now 7,568 compared with 14,009 in 1898-99.

The yield of duty from spirits distilled in the United Kingdom was 17,456,366l., on 33,447,057 proof gals., of which 32,050,865 proof gals. was retained for home consumption, being equal to 0.72 proof gal. per head of the population, compared with 0.95. In 1899-1900 0.15 proof gal. of imported spirits was also used, but the combined total (0.87) compares with 1.18 in 1899-1900. The following table shows the drinking capacity of the three countries:

	Population	Spirits	Beer
		Gallons	Barrels
England and Wales ...	35,500,000	21,826,791	28,246,435
Scotland ...	4,850,000	6,661,000	1,730,497
Ireland ...	4,364,000	3,563,074	3,351,326

This means that England and Wales drinks, per capita, 0.63 proof gal. (113 oz.) of spirits and 29 gals. of beer, Scotland 1½ proof gal. (234 oz.) of spirits and 13 gals. of beer, and Ireland 0.8 proof gal. (171 oz.) of spirits and 33½ gals. of beer per annum. Home-made spirits are alone referred to in these figures; in addition, 6,852,209 proof gals. of rum, brandy, and other imported spirits were consumed.

Sir T. E. Thorpe, as Principal of the Government Laboratories, in his report to the Commissioners (see *C. & D.*, August 28, p. 375) mentioned that 4,171,100 bulk gals. of methylated spirits had been certified in the year. The Commissioners' own Report gives the figures in proof gals., home-made spirits alone having been used. The following table shows the quantities received for methylation:

Tax-free Spirit.

The following table shows the quantities received for methylation:

	Year 1907-08		Year 1908-09	
	Industrial Methylated Spirit	Mineralised Methylated Spirit	Industrial Methylated Spirit	Mineralised Methylated Spirit
	Proof gals.	Proof gals.	Proof gals.	Proof gals.
England ...	3,602,480	1,997,473	3,358,965	2,065,173
Scotland ...	502,521	295,073	519,237	279,517
Ireland ...	6,455	47,065	6,548	50,616
United Kingdom ...	4,111,456	2,339,561	3,884,740	2,395,306

The allowances paid in respect of spirit methylated for industrial purposes amounted to 51,014l. in 1907-8, and 49,356l. in 1908-9. Besides the above quantities of denatured spirits, during 1908-9 there were received in a

pure state for manufacturing or educational purposes the following quantities of spirits duty-free:

	Proof gals.
Home-made ethyl alcohol (mfrs.) ...	418,057
Foreign ethyl alcohol (educ.) ...	989
Foreign methylated alcohol (mfrs.) ...	20,649
Foreign methylated alcohol (educ.) ...	345
Foreign other than methylated (mfrs.) ...	41
Foreign other than methylated (educ.) ...	3,481

With reference to the methylated spirits 5,424,123 proof gals. were made in England, 798,754 proof gals. in Scotland, and 57,164 proof gals. in Ireland. Licences to thirty-four methylators and 19,298 retailers of methylated spirits were issued during the year, a decrease of two methylators and an increase of 299 retailers over 1907-8.

The licence-duties showed a decrease of revenue from last year's of 1,298,910l., the yield having been 3,113,668l. compared with 4,412,578l. in 1907-8. The fall was due to the transfer of collection of licences for dogs, game, guns, carriages, armorial bearings, and male servants to local authorities. Otherwise the licence revenue was substantially as before. In this department

Patent Medicines. patent-medicine licences are, apart from methylated spirits, the item of most interest to our readers. We find that the number increased from 42,272 in 1907-8 to 42,563 last year—viz., 39,262 in England and 3,301 in Scotland. The revenue from the sale of medicine-stamps decreased to 315,489l. The following are the figures for the past seven years:

Years ended March 31	England and Wales		Scotland		Great Britain. Medicine-stamps
	Medicine-stamps	Licences	Medicine-stamps	Licences	
	£	No.	£	No.	£
1902-3 ...	331,086	33,401	2,285	2,965	333,371
1903-4 ...	321,172	35,446	2,274	3,016	323,446
1904-5 ...	329,171	36,999	2,268	3,130	331,439
1905-6 ...	321,543	37,568	2,569	3,166	324,112
1906-7 ...	324,180	36,166	2,926	3,187	327,106
1907-8 ...	339,735	39,023	3,407	3,249	334,142
1908-9 ...	312,204	33,262	3,285	3,301	315,489

The yield of duty from stamps has not been so low since 1901-2 when for the first time in the history of the tax it reached over three hundred thousand pounds—viz., 306,337l. The known, admitted, and approved remedies exemption is supposed by some to have affected the revenue: it was given in April 1903, and came into force at once, and the narrowing of the incidence of the tax through the Sanguinetti decision came a year later. The revenue figures demonstrate fairly well that the one neutralised the other. The fact should be kept in mind that continuous growth is not the rule; there is an up-and-down tendency from year to year, with upward growth on the whole. Now, 1907-8 was a long way better than the average, which fact alone may account for the fall last year. In any case it would be hazardous to aver that the fall in revenue is to be a permanent condition. The most astonishing point about the statistics is the increase in licensed manufacturers and vendors—42,563 compared with 42,272, an increase of 291, in face of a decrease of 143 in the number of registered chemists and druggists. If we assume that the 315,489l. of stamp-duty represents eight times as much dutiable medicines sold by retail, we have 2,523,912l. as the total spent by the public, which gives 60l. per annum as the average sold in each of 42,000 licensed premises. The bulk of this business is, we believe, done by chemists and drug-stores, for there are thousands of small vendors who hold the licence not on account of the stamped medicines they sell, but because the licence is a condition for the sale of recommended entire drugs unstamped. Half the returns of many chemists are in proprietary medicines.

American Peppermint Oil.

THERE are several features about the situation in American peppermint oil this season which appear to be of more than usual interest, judging by the strong attitude which Western distillers have taken up since they commenced to distil the new crop. Early in August, it may be remembered, there were rumours in London that the new crop was turning out badly, but an absolute lack of interest was displayed here, and consequently the report fell flat.

It is now maintained by the distillers that the production has shrunk by at least one-third as compared with last year, and that from the chief centres—such as Michigan, Indiana, Wayne County, etc.—the output will not be more than 250,000 lb., probably nearer 200,000 lb., to which must be added a hold-over stock of about 50,000 lb. to 60,000 lb. The harvest has been several weeks later this year, but it was expected to be concluded by the end of September; this being so, it is asserted that the crop did not arrive at maturity as early as usual, and that the distillation was delayed in consequence. It is also stated that as a result of the inclement weather in August many of the fields were abandoned, while in others distillation was carried out at a loss, the yield not being sufficient to pay for labour. On the whole, the fields have proved very "weedy," owing to the fact that the distillers had to fall back on peppermint of the previous year's growth, while second-cutting was practically a failure owing to slight frosts. Quality, therefore, has suffered, and it is said that a large proportion of the crop will not be prime oil. These conditions, following on a poor crop last year, account for the stiffened attitude of distillers, who have held aloof from the market since the new season began, or asked prices which could not be entertained. Consequently New York dealers, hoping for development of a weaker feeling, have abstained from buying, except from hand to mouth, until lower quotations were available, or until the distillers' pretensions seemed more justifiable. But the tendency, to the disappointment of dealers, has favoured the attitude of growers, and, as we stated last week, financial aid has been forthcoming, so that new business with producers is practically at a standstill. Previous to the present advance in peppermint oil the price had been kept fairly low by New York dealers throughout most of the year, the shipments to the United Kingdom having been smaller than usual. When it became apparent that the crop had turned out poor again, New York dealers realised that they had been in error in depressing prices, but they still maintained that attitude. The distillers, however, who knew the true position, managed to hold on to their stocks, and the recent rush to "cover" brought about the rapid advance. Several weeks ago it was patent to one or two firms here that something was on the cards, and we understand that they purchased all they could find of any good brands to put away "in the cellar." Spot stocks are now very bare in first-hands, as was shown by the fact that an order for 1,000 lb. could not be placed at 8s. to 8s. 3d. The strong position in the United States is also shown by the fact that leading brands of "tin" oil have been offered up to 9s. 4d. c.i.f., and if anything is now offered from the other side it is probably from second-hands. The present prices, although nobody cares to pay them to arrive, are regarded as still very reasonable, and it is confidently asserted that before the end of October 10s. will have been reached. At the moment there is a lull, which is natural after the excitement of last week, leading brands offering at 8s. 6d. to 9s., and guaranteed pure, unbranded at 8s. 3d.

Meanwhile considerable interest has been displayed in Japanese oil owing to the advance in American and to the fact that it is remarkably cheap as compared with that description. In this connection it may be pointed out that under the new American tariff the duty on Japanese oil, for some occult reason, was reduced from 75c. to 25c. per lb., which, as has sarcastically been remarked, is a fair sample of "revision" under the new law.

International Standards.

The meeting of the White Cross Society which is to be held in Paris next month is not to be attended by many English chemists—not more than half a dozen, we believe—yet there are several proposals of grave importance to be discussed and decided; for example, standards for certain drugs and essential oils. In regard to the latter Mr. John C. Umney has called our attention to the factors proposed by the committee of the pharmaceutical department for essential oils. We have looked into them and find that most of them are dreadful—to use a colloquial expression. Thus in many cases the U.S.P. specific gravities are given as being good for temperatures 5° to 10° C. lower than the U.S.P. provides! It is desirable in the interests of international commerce that the proposed standards should be well and widely considered, and we have asked Mr. Umney to present the facts in a communication to an early issue of the *C. & D.*

Alkaloids from Germany.

The figures for alkaloids exported from and imported into Germany given in the *C. & D.*, September 25, p. 498, were revised. We have looked further into the matter, and the results are so interesting that we give them in further detail. Of alkaloids, alkaloidal salts, and alkaloidal derivatives not otherwise mentioned, the following are the full statistics:—

	1907		1908	
	Tons	1,000m.	Tons	1,000m.
Total imports ...	34,574	6,646	31,468	5,563
Great Britain ...	17,212	2,754	14,121	2,259
Switzerland ...	5,116	614	7,398	888
Peru ...	6,201	1,860	4,542	1,363
Total exports ...	48,652	9,049	68,856	13,083
France ...	3,758	699	4,748	902
European Russia ...	6,655	1,238	10,043	1,908
Japan ...	3,640	677	3,416	649
U.S.A. ...	14,782	2,749	16,668	3,167

No country is mentioned if the trade to it and from it did not reach a value of 500,000m. during the past year. As to last week's figures, those for the imports from Great Britain should read: 1907 = 17,212 tons and 1908 = 14,121 tons. The exports to Great Britain were as follows: 1907 = 1,953 tons, value 363,000 marks, and 1908 = 2,934 tons, value 557,000 marks.

TURVEY TREATMENT Co. (1905), LTD.—Statutory meetings of creditors and shareholders were held, under the Companies Acts, at the Board of Trade offices, 33 Carey Street, W.C., on September 24. The company is in compulsory liquidation, and the Official Receiver reported that the nominal capital of the company was 12,500l., and its business that of specialists in the treatment of persons addicted to alcoholism and the drug-habit. A receiver was recently appointed on behalf of the debenture-holder, and he had since been carrying on the business. The failure was attributed to the lack of working capital, emphasised by the heavy cost of advertising rendered necessary by the severe competition from Germany and America during the last few years. A total deficiency of 9,756l. was disclosed with regard to the shareholders. It was intimated on behalf of Mr. A. Hamilton Johnson, chairman of the company and the debenture-holder (750l.), that negotiations are proceeding with a view to his acquiring the assets of the business and paying a substantial dividend to the other creditors.

Pharmaceutical Society of Great Britain.

COUNCIL-MEETING.

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C., on September 29. The President referred to the death of Mr. T. P. Gostling and Mr. Charles Ekin, and letters of condolence were ordered to be sent to the relatives. Mr. W. H. Gibson, as Chairman of the Finance Committee, announced that the finances of the Benevolent Fund were lower by 300*l.* than at the corresponding period of last year. On this account there is to be no election of annuitants this year. Mr. Hagon obtained a promise from the President that he would communicate with the Board of Trade regarding the regulations as to the sensitiveness of chemists' scales. Mr. Hagon suggested that scales used for retail should be placed in Class C. Mr. Gifford had a motion on the agenda urging that immediate steps be taken to get the Government to issue a circular to local authorities regarding the improper granting of poison-licences. The motion was not seconded.

THERE were present at the meeting the President (Mr. J. F. Harrington), the Vice-President (Mr. W. L. Currie), and Messrs. C. B. Allen, A. S. Campkin, W. G. Cross, J. H. Cuff, F. J. Gibson, W. H. Gibson, R. L. Gifford, D. Gilmour, A. Hagon, J. Harrison, A. E. Hobbs, E. T. Neathercoat, G. T. W. Newsholme, C. J. Park, P. F. Rowsell, E. White, and J. R. Young.

The minutes of the previous meeting having been read, the PRESIDENT announced that he had received a letter from Mrs. Perry, Birmingham, thanking the Council for their expression of sympathy.

DEATHS.

Reference was then made by the PRESIDENT to the death of Mr. T. P. Gostling (Diss) and Mr. Chas. Ekin. Mr. Gostling was a member of the Council from 1871 to 1896 and Vice-President from 1886 to 1888. During his term of office he worked very hard on the Council. Mr. Ekin was an examiner of the Society from 1881 to 1885, and served on the Pharmacopœia Revision Committee of the Society from 1885 to 1901. He was one of the cleverest pharmacists of the day, and had greatly distinguished himself in pharmacy.

It was agreed that letters of condolence should be sent to the relatives of Mr. Gostling and Mr. Ekin.

ELECTIONS.

Twenty-eight members were elected and 19 restored to their former position in the Society; 28 student-associates were elected. Five persons had their names restored to the register of chemists and druggists on making the required declaration and paying the fee of one guinea.

FINANCE.

Mr. W. H. Gibson, as Chairman, submitted the report of the Finance Committee, which met on the previous day. The following is an abstract of the accounts:

Receipts.

Penalties and costs	£54	7	2
Subscriptions	149	2	0
"Pharm. Journal" and publications	1,152	12	6
Restoration fees	6	6	0
Registration fees	165	8	11
School fees	27	6	0
Examination fees	1,142	8	0
Rent	54	2	11

£2,751 13 6

Taking into account the balance at the end of July and the payments ordered by the Council at the August meeting

there remained a sum of 2,788*l.* 0*s.* 10*d.*, from which the following amounts were recommended for payment:

On behalf of the "Journal" and publications	£1,291	6	3
Stationery, etc.	29	5	0
Current expenses	500	0	0
Salaries, etc.	271	13	4
School and examinations	294	14	1
Law charges	78	10	6
House	222	0	6
	£2,687	9	8

The balances on the Benevolent Fund were as follows:

Current account	£240	6	8
(Recommended for payment, £41 3 <i>s.</i>)			
Donation account	22	15	1
Orphan Funds	10	17	0

Mr. GIBSON, in moving the adoption of the report, called attention to the fact that the accounts covered two months, which explained the large amounts involved. The London & Westminster Bank having amalgamated with the London & County Bank, the permission of the Council was sought to transfer the various banking accounts to the care of the new company. Owing to the very large capital of the bank, the funds would be not only as safe as formerly, but safer. The state of the Benevolent Fund showed that the finances are 300*l.* lower than they were at that time last year. This is due, Mr. Gibson thought, to the number and amounts of the casual grants being larger during the year.

The report was adopted.

BENEVOLENT FUND.

The report of the Benevolent Fund Committee was considered in committee, after which

Mr. CAMPKIN (the Chairman), in moving its adoption, said the committee were unable to recommend the election of any more annuitants, as there appeared to be a large deficit in the funds. The unsuccessful candidates at the last election were already provided for by consolation grants so that he did not think any hardship would result. The Fund has a large funded capital, but only the interest is available. As far as can be gauged there will be a deficiency of from 300*l.* to 400*l.* He hoped that their friends would see their way to increasing the amount of their subscriptions, and that new subscribers would come forward to augment the Fund. The committee have voted 19*l.* in casual grants, of which 12*l.* was for the widows of chemists. As to the effect of the State old-age pension scheme, he stated that a number of applicants receive the pensions, but in two or three cases eligible persons have not seen their way to apply for pensions under the mistaken idea that the receipt of the pension pauperises the recipient.

Mr. GILMOUR supported the appeal for funds, and testified to the kind, careful, and impartial way the Fund is administered. The grant which poor persons received often made all the difference between comfort and the fear of the poorhouse.

Mr. ROWSELL thought it would be unwise to elect more annuitants in view of the state of the Fund, as such action would limit the casual grants which afford such great assistance to needy applicants.

The report was adopted.

The SECRETARY mentioned that Mrs. Jane Ann Pimm, widow of a chemist and druggist, is endeavouring to obtain a pension of 20*l.* from the British Home for Incurables. He asked that those members of the trade who can help in securing her election would do so.

ROUTINE MATTERS.

The Treasurer was authorised to pay the moieties of the several scholarships which are now in operation.

The SECRETARY reported that he had registered several apprentices or students.

GENERAL PURPOSES COMMITTEE.

Part of the report of the General Purposes Committee was read, having reference to the position created by local authorities in granting large numbers of poison-licences. The consideration of the matter was deferred pending further evidence, which the Secretary was directed to obtain. Discussion of the Shop-hours Bill was also deferred, having regard to the statement of the Home Secretary that it is not proposed to proceed any further with the measure in the present Session of Parliament. The committee were unable to make any recommendations as to the complaint of the Anglesea chemists regarding the misrepresentation of pharmacists in the public Press, as no specific instances were brought forward. A sub-committee was appointed to select examiners for the ensuing year.

CHEMISTS' SCALES.

Mr. HAGON drew attention to the regulations of the Board of Trade regarding scales, which come into operation on October 1. The regulations will, he stated, press rather hardly on chemists and druggists, as pharmacists' scales are placed in the first class, which necessitates such a sensitiveness for scales that most of those at present in use will need to be sacrificed. The scales are required, when loaded with a one-pound weight, to show a sensitiveness of one grain, but it is almost impossible in retail work to retain such a standard for any length of time. He thought a mistake had been made in placing chemists' scales in this class as regards general business. The authorities probably had in mind dispensing-scales rather than shop-scales. He suggested that something should be done speedily to get the Board of Trade to transfer chemists' scales to Class C, which would meet the requirements of the trade.

The PRESIDENT said if Mr. Hagon would leave it to him he would approach the Department at once.

This course was agreed to.

Mr. GILMOUR pointed out that it is a general impression that box-scales may no longer be used in retail trade. This is a mistake, as it is clearly stated that if such scales have the necessary sensitiveness they may be used equally with beam-scales.

POISON-LICENCES.

Mr. GIFFORD then proposed the following motion, of which due notice had been given :

That, every measure taken against the improper granting of poison-licences having been ineffective, immediate steps be taken to press upon H.M. Ministers the justice of issuing a circular to the "bodies" concerned in accordance with the specific statements of the Ministers in charge of the Bill during its passage through Parliament.

Mr. Gifford explained that his object in bringing forward a resolution similar to one which was rejected at the July meeting was because the motion of Mr. Young, which was carried, had failed in its purpose. The matter is of even greater importance at the present time because the evils are being perpetuated. The "improper granting" of poison-licences he held to be the crux of the matter, and to prove that these licences are being improperly granted he quoted from speeches of Lord Crew and Mr. Herbert Samuel while the measure was before Parliament. He (Mr. Gifford) held that the specific assurances of these Ministers involved the honour of the Government, and the proper course is to appeal to the Government to justify these statements. Referring to the answers which Mr. Snowden obtained from the Home Secretary in answer to questions in the House of Commons, Mr. Snowden had told him that the answers were unusually emphatic, and that the Society is missing a great opportunity in not following the matter up. Mr. Snowden he regarded as possessing one of the acutest and most capable minds that have ever been placed at the service of the Pharmaceutical Society, and when he (Mr. Gifford) found these opinions scoffed at or lightly held he did not think the best interests of the Society were being kept in view. He disagreed with the present policy of taking opinions from permanent officials. The time is coming when people will ask whether the Society sufficiently bears in mind the interests of the chemist who may be described as "the man in the street."

There being no seconder, the motion was not proceeded with.

CORRESPONDENCE.

The Association of Women Pharmacists received permission to hold their annual meeting on the Society's premises on October 8.

The Bell Scholars of last year were given permission to take the Major course in the Society's school.

The Indigenous Drugs Committee, Calcutta, forwarded a copy of the second report of the committee.

The Aberdeen Pharmaceutical Association sent a copy of a resolution calling upon the Council to take immediate action to remedy the grievance which has arisen from the administration of Clause 2 of the Poisons and Pharmacy Act. This was deferred until the report of the North British Executive was received.

Mr. GILMOUR said it was better to wait till the Executive have reported. He would be glad of the opportunity of discussing the matter.

The Medical Officer of the Local Government Board forwarded a copy of Dr. J. M. Hamill's report on the "Use of Preservatives in Cream."

The Public Pharmacists' and Dispensers' Association sent a memorial stating their objections to admitting Army compounders and apothecaries' assistants to the Register of Chemists and Druggists unless the examinations prescribed by the Pharmacy Act had been passed.

Mr. E. M. Chater, Watford, wrote resigning his office of divisional secretary, and suggesting the appointment of Mr. R. Bennion as his successor. Mr. Chater added that he had been appointed a J.P. for the county, and that recently, in acknowledgment of his interest in education, a new school at Watford has been named the "Chater School."

The PRESIDENT thought it a matter of congratulation.

This ended the public business.

OPENING OF THE SESSION.

The opening of the sixty-eighth session of the School of Pharmacy took place in the lecture-theatre of the Society's house at 3 P.M. on the day of the Council meeting. Outside the weather was miserable, but the lecture-theatre was gay with the bright dresses and faces of the ladies, who formed the greater part of the audience. Among those present were Sir Alex. Pedler, F.R.S., Professor W. A. Tilden, F.R.S., Mr. David Hooper (Calcutta), Mr. and Mrs. Francis Ransom, Mr. W. S. Glyn-Jones, Mrs. Harrington (who brought Mrs. Tschirch with her), Mrs. F. J. Gibson (Wolverhampton), Dr. F. B. Power, Mr. E. F. Harrison, Mr. A. E. Holden, Mr. John Murison, Mr. Feaver Clarke, Mr. E. Saville Peck, Mr. H. Finnemore, Mr. Murton Holmes, Mr. Cassin Wright, Mr. F. H. Alcock, Mr. R. A. Robinson, jun., and Mr. F. A. Rogers. The President, accompanied by Professor Tschirch, came in a few minutes past three; professors of the school and members of the Council present at the meeting (except Messrs. Gifford, Newsholme, and Young) followed, and the proceedings at once commenced by the PRESIDENT calling upon Professor Greenish to make the

DEAN'S REPORT OF THE PAST SESSION.

Professor GREENISH first spoke of the results of the statutory examinations as a test of the soundness of the educational course established by the Society. Out of the fifteen students of the school who sat for the Major examination fourteen, or 93 per cent., satisfied the examiners. (Applause.) This was the highest percentage that had been attained for many years, and he thought he was right in saying that it had been equalled but once. The students who presented themselves for the Minor examination fell a little short of this high standard although 80 per cent. were successful. (Applause.) These figures furnished, he said, once more proof of the soundness of the educational course in the School of Pharmacy, and of the success that was likely to attend the efforts of students who worked steadily through them. He then referred to the re-equipment of the chemical laboratory, and to the unique exhibition generously founded by Mr. John C. Hewlett in memory of his father, Mr. C. J. Hewlett, which will be awarded next year to the student-associate who most distinguishes himself during the

elementary course. As a further proof of the interest taken in the school the Dean mentioned that a past student had again generously come forward and defrayed the cost of new reagent bottles for the new laboratory. He added that all the benches have been engaged by, with one exception, students taking the complete elementary or advanced course. The total number of students is 69, of whom 66 were taking full courses. This number compared very favourably with that of last session, when 57 took complete courses, and represented the maximum capacity of the school for such students. He anticipated with confidence another prosperous session, and he looked to the students to maintain the high record of excellence that their predecessors had established. (Applause.)



MR. SYDNEY SMITH,
Pereira Medallist.



MR. HERBERT BOOTH,
Manchester Scholar.



MR. W. HONNEYMAN,
Jacob Bell Scholar.



MR. A. L. DAVIDSON,
Jacob Bell Scholar.

Mr. Sydney Smith served his apprenticeship with Mr. F. H. Glew, Clapham Road, S.W., and began to take our Corner for Students' prizes in June 1904. He was a Jacob Bell Scholar in 1907; Martindale Medallist in the "Square" Minor course that followed; Medallist in Chemistry and Physics, Practical Chemistry, and Materia Medica in the Major course; Ph.C., April 1909; and now is a demonstrator in chemistry at the school.

Mr. Booth is a son of the late Mr. Edwin Booth, chemist, Crewe, in whose pharmacy he was for a year and a half, after which he was an apprentice for three years with Messrs. Bushby & Son, Manchester. While there he attended evening science classes at the School of Technology, and latterly studied at the Northern College of Pharmacy. He intended to enter for the Minor in July, but was three days too young, so he entered for this month's examination and passed.

Mr. William Honneyman is another of our Corner for Students' prizemen (January 1907). He was apprenticed for five years to Mr. John Horsley, chemist, 104 High Street, Hartlepool, and remained with him until he came up to London this week. During his apprenticeship he attended classes at the local Technical College in botany, chemistry, French, and other subjects, and passed the Board of Education examinations in them. He took first place in the Bell Scholarship examination.

Mr. Alexander Linton Davidson is the son of Mr. Alexander Davidson, Ph.C., Montrose, who has been a member of the Board of Examiners for Scotland, and to whom the new Bell Scholar has been apprenticed. Mr. Linton Davidson was born in 1888, and was educated at Montrose Academy, where, besides obtaining the higher leaving certificate, he gained the Davidson and Barclay prizes in chemistry and the Science Medal. He is the third Scotsman to gain the Bell Scholarship since it was instituted in 1861: Mr. Fraser McDiarmid (1883) and Dr. George Senter (1895) are the other two.

The PRESIDENT remarked that it was gratifying to them all to listen to such a grand report, and they were very much indebted to the Dean for it. He then called upon Mr. Jeffery for the

HERBARIUM COMPETITION REPORT.

Mr. JEFFERY said that his task this year in the adjudication of the herbarium competition was easy, as only one collection of plants was sent in. That one collection, however, was of such merit as justified his recommendation to the Council that Mr. James Small (Breachin) be awarded the silver medal. Mr. Jeffery added that there was no reason why town students should not make a representative collection of 150 British plants. It was well within their reach; and he hoped that in future such students would compete with every hope of success. (Applause.)

Mr. Small, the winner of the silver medal, was not present.

PEREIRA MEDAL.

The PRESIDENT then announced the result of the competition among the pharmaceutical chemists, who had qualified as such during the past year, for the Pereira medal and the Council medals. The examination had been conducted by Professor Bower, Dr. Dobbin, and Mr. Thomas Wilson, of the Board of Examiners for Scotland. The competitor who had succeeded in obtaining the highest position, and to whom the medal had been awarded, was Sydney Smith—(applause)—a student in the Society's school, who in 1907 won a Bell Scholarship, and last year took the bronze medal for chemistry together with the medal for pharmacy, and to whom he had the pleasure of presenting several prizes at the termination of the session in June last for the work he had done in the advanced course. It was gratifying to find that Mr. Smith had well maintained his reputation, and he hoped his record of success during his career as a student would continue to justify the confidence they entertained that his pharmaceutical career would prove a brilliant one and redound to his advantage as well as to the reputation of his pharmaceutical *alma mater*. The winner of the Society's silver medal was also one of the Society's students—Miss Grace Mary Neve. (Applause.) She enjoyed the distinction of being the fourth lady in the history of the Society to obtain its silver medal, her predecessors being Miss Buchanan in 1887, Miss Tilson in 1893, and Miss Magan in 1899. The Society's bronze medal was not awarded, the remaining competitors not having reached the required standard.

Mr. Sydney Smith was then called forward, and the PRESIDENT, in presenting him with the Pereira medal, certificate, and books (5*l.*), congratulated him on the success he had ably attained. The same was done to Miss Neve, who was received with exceptional acclamation.

JACOB BELL AND MANCHESTER ASSOCIATION SCHOLARSHIPS.

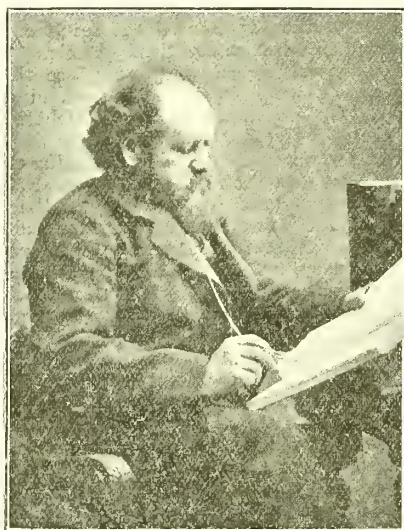
Mr. E. F. HARRISON reported on the competitions for the Jacob Bell and Manchester Association Scholarships. He stated that twenty-two candidates entered for the former, and four for the latter. These were about the average numbers of entries, and were a little better than in one or two recent years. The general character of the work done in the examination for the Bell Scholarship was good, seven of the candidates obtaining a sufficient number of marks to qualify them for the award. There was only a very small difference in the marks given to the two highest competitors, and the Council had awarded the scholarship to William Honneyman and Alexander Linton Davidson. The winners were to be congratulated on their success. In the examination for the Manchester Association Scholarship, one candidate, Mr. Herbert Booth, obtained sufficient marks to qualify, and the Council had awarded the scholarship to him.

The PRESIDENT remarked that it was gratifying to know that the Bell Scholarship examination competition was of such a high standard. From his own personal recollection since he was a member of the Pharmaceutical Council, he could say that the examination was the best that had ever been held. Calling upon Mr. Honneyman and Mr. Davidson, he presented each with a pile of text-books, and wished both of them good-luck.

HANBURY GOLD MEDALLIST.

The PRESIDENT said he had now to read a short report on the award of the Hanbury gold medal, which he would

have the honour of presenting to Professor Alex. Tschirch, professor of pharmacognosy and practical chemistry in the University of Berne. This was the fifteenth award of the medal that had been made. The adjudicators in this instance were Mr. D. H. Scott, President of the Linnean Society; Professor Harold Dixon, President of the Chemical Society; Mr. J. R. Young, the late President of the Pharmaceutical Society, who was unable to be present on that occasion on account of illness; Mr. J. F. Tocher, President of the British Pharmaceutical Conference; and Mr. Michael Carteighe. They were very fortunate in having Dr. Tschirch present in person to receive the well-merited recognition of his work in the prosecution of



PROFESSOR DR. W. O. A. TSCHIRCH.

When Dr. Tschirch was elected an honorary member of the Pharmaceutical Society in 1896, the *C. & D.* said of him: "As a pharmacognosist . . . he has taken the world by surprise." He was born at Giebeln, Prussia, on October 17, 1856, receiving the names Wilhelm Oswald Alexander, and in 1872 was articled to an apotheker, after which he studied at Berlin University, and graduated as Ph.D. He became a lecturer in botany first at Friedrich Wilhelm's College, then at the Agricultural College, Berlin. His interest in pharmacognosy was aroused by the late Professor Flückiger, who got Tschirch to revise his "Grundlagen der Pharmacognosie," and the direct outcome of this was his appointment in 1890 as professor of Pharmacognosy and of practical chemistry at Berne University. He has travelled in the East, and has visited most of the important drug-markets of the world. His investigations of the resins have resulted in a book of note, "Die Harze und die Harzebehälter, mit Einschluss der Milchsäure," and now he is publishing a handbook of pharmacognosy which is beating everything done in that line hitherto. In practice apotheker, botanist, chemist, pharmacognosist, and student, in social life Bohemian, brilliant in conversation, enthusiastic in all that he does, Dr. Tschirch is a man whom any society would delight to honour.

original research in the chemistry and natural history of drugs. (Applause.) He was particularly fortunate in also being able to introduce to them the gentleman to whom the Hanbury gold medal was presented in 1907. Mr. David Hooper, who was in the service of the Indian Government, was on a visit to this country and was delighted to take part in honouring a colleague who was engaged in work that was imperishably identified with the names of Daniel Hanbury and Frederick Flückiger. (Applause.) They would pardon his recalling the fact that this gold medal was awarded bi-annually as a memorial to Daniel Hanbury. Through the interest taken in the memorial by the late Sir Thomas Hanbury, each recipient of the medal received the sum of 50*l.* towards the expenses of research, and as an expression of the desire of the late Sir Thomas Hanbury to be associated with the memorial to his brother. He did not think he need say very much to them respecting the personality of the distinguished gentleman to whom he would have the honour of presenting the medal, and whose reputation was widespread. But he might be permitted to say that he collaborated with the late Professor Flückiger in writing one of his most im-

portant works. Of recent years Professor Tschirch had turned his attention almost completely to pharmacognosy and technical botany, and his contributions were appreciated by British pharmacists. The award of 1909 would commend itself to them all, and he thought he might, on behalf of the members of the Pharmaceutical Society, congratulate both David Hooper and Alexander Tschirch on the addition of their names to the distinguished list of workers in the science of pharmacognosy. Mr. Hooper was one of their former students in their School of Pharmacy, and Professor Tschirch was one of their honorary members. "The Society is proud of them both," the President said in conclusion, "and as the mouthpiece of the Society I beg to express the sincere hope that they may long be spared to labour in the scientific field in which they have obtained so much distinction." Calling Professor Tschirch towards him, the President said, "May I present you with this beautiful gold medal, which I hope you will be long spared to retain, together with this cheque. I desire to congratulate you and am very pleased that you have achieved the honour that is now formally conferred upon you." (Loud applause.)

Professor TSCHIRCH (who sat among the Councillors in front), on rising to receive the medal and on stepping to the desk to reply, was heartily applauded. Speaking in English from a manuscript he said that on receiving the medal he saw the portrait of Daniel Hanbury and the inscription that it was presented for original research in the chemistry and natural history of drugs. This sentence expressed the idea that was embodied in the work of his old master, Flückiger, in his "Pharmacognosie der Pflanzenreiches," and of Hanbury and Flückiger, in their "Pharmacographia." This sentence he (Professor Tschirch) had written on his own flag. (Applause.) Pharmacognosy is not, he said, a mere appendage to botany, but a science which incorporates chemistry and natural history. Was not Daniel Hanbury a member of the Chemical, Microscopical, and Linnean Societies? The English Academy of Sciences—the Royal Society—had recognised his worth by electing him a Fellow. Professor Tschirch then related a pretty episode about Flückiger (the first recipient of the Hanbury medal) as showing how much these two worked in harmony. Flückiger had retired to spend the evening of his days in Berne, and his friends had struck a medal to commemorate his work. The first one was to be presented to him on July 1, 1892, and at a little festivity in the evening, when Flückiger was the special guest, he (Professor Tschirch) had to place a portrait of Hanbury near Flückiger's seat so that the honour paid to him should be paid to Hanbury also. Professor Tschirch proceeded to tell how much he owed to Flückiger's inspiration, and coming that day from Berne to London he felt that he was coming along a road trodden by these two men—he was going along the old cut—and in devoting himself to pharmacognosy, the mother of all sciences, he felt that he was also helping in the chemistry and natural history of drugs.

At this point the PRESIDENT said that there were a few names he desired to mention as prize-winners. The Salters' Research Scholarship had been won by Mr. Charles Gilling, the Redwood Scholarship by Miss Gertrude Holland Wren, and the Burroughs Scholarship by Miss Grace Mary Neve. He intimated that Professor Greenish would read Professor Tschirch's address, as he, in his modest way, had said he was not master of the English language, but the way in which he had just addressed them showed that there was really no necessity for that. (Applause.)

The Future of Pharmacognosy.

This, Professor GREENISH intimated, was the subject of the address. He explained that he had assisted Professor Tschirch in translating it from the German in which it was written, and he had endeavoured to give the German idioms as literally as possible. A few days before he left Berne, Professor Tschirch said, he wrote the last sentence of the history of pharmacognosy in the "Handbuch" which he is now publishing. He attached great importance to the past, for only he who knows it can know the present and merge time in the future. He recalled the devotion of Flückiger and Hanbury to the science of drugs, paying a

tribute to English work in this department, and speaking of what has been done here in chemistry, said that it has brought us into a new age of alchemy (which we all thought had been overcome), while another new age has been opened up to us in the pronouncements of itropometry. He considered that, in spite of all the advances of science, we have not done with drugs. He also said that the much-ridiculed and derided remedies of the pharmacy of the eighteenth century, which extolled the various organs of the animal body and their secretions and employed them to such an extent that the pharmacopœia could not entirely overlook them, had celebrated their resuscitation in modern organotherapy. He ventured to hope that medicine, when it had thoroughly ruined its digestion with synthetic remedies and tested all the organs of the animal body, would return once more to drugs, and would employ them to a greater extent than it does at present. (Laughter and applause.) He passed on to consider old and new views of drugs, showing that modern investigation with the armament of modern science has in many instances substantiated the reputation of old drugs built on the experience of men of past centuries—the practitioners in ancient Babylon, and in Galen's time, as well as in the fifteenth century. Professor Tschirch then discussed the products of modern synthesis. Chemistry has produced many substances, the molecules of which are far more complicated than the comparatively simple structure of oxalic acid, which was synthesised by Scheele; other examples of historical note were adduced, Professor Tschirch remarking that as this kind of research took us into high regions of complexity we have turned to the drugs themselves. We have still lessons to learn from them—of their ways of working; how, for instance, in the case of rhubarb, Nature produces alongside each other two kinds of anthro-glucosides, one laxative, the other astringent. The more we search into the constituents of drugs, the more we find that they are not "simples" but great complexes. He claimed for work in this direction greater attention. By his studies of the past he has got to know that this investigation is one of the things of the future. It is difficult work, and more difficult because of the varied directions in which it leads. What can cultivation do, for example? He instanced cinchona. Some say that by cultivating drugs their potency is decreased compared with the wild state. He did not believe it. The matter had not been studied thoroughly enough. In cases where it has been, species, soil, climate, and other influences being taken into account, it has proved that cultivation gives you as potent a drug, also that the drug may be modified in essential particulars so as to get higher or lower proportions of this or that. Professor Tschirch predicted that cultivation would receive greater attention in the future—by cultivation, crossing, selection, and so on, brilliant results should be obtained, and he considered that an experimental garden should be attached to every pharmacognostic institute.

The collection of drugs next received attention, Professor Tschirch remarking upon the importance of careful study of the natural conditions which influence secretions. Collection is generally a rule-of-thumb matter; it is neither conducted by scientific methods nor directed by scientific men. He instanced the collection of resins, and said that some time ago he found that in North America turpentine was not obtained in yield equal to what he thought it might be. He made a suggestion to a large company, which involved knowledge of the production of the secretion, and but a slight alteration of the method of collecting, this being an adaptation of the knowledge. The result was that in the first season the increased yield was valued at \$100,000. He then referred to the results which have been obtained through the scientific study of the growth of plants which yield alkaloids, and to the work by Rosenberg and himself on pectins, adducing facts which prove that many of the problems of pharmacognosy are capable of experimental treatment. In fact, pharmacognosy has developed from an empirical status to a science.

Glancing again into the future, Professor Tschirch alluded to the work that may be done in tropical laboratories in the study of ferments and fermentation. Tea, cocoa, and vanilla are still prepared for use by fermentation. It is all empirical, and so little is known about it, so little is it

under control, that failures happen: why, we don't know, and not until the fermentation is done scientifically, with accurate knowledge of what happens, shall we be free from the chance of failure. We must also study secretions more intimately. Why, he asked, do two trees so like each other as the trees which yield us balsam of tolu and balsam of Peru produce so widely different secretions? Again, the distribution of certain active constituents in the plants affords a wide field for research. In this connection he mentioned the work of Kobert, Schaer, and others on the saponins, of Bourquelot and other French workers on aloins, his own work on the anthraquinones that exist in drugs, and referred to numerous natural orders which give products akin. Again, there is to be studied the occurrence in plants of so-called animal substances. Glycyrrhizin, the sweet principle of a drug which was recommended 2,000 years ago by Dioscorides for coughs, has been found to be an ester of glyconic acid, and other instances were quoted (even urea has been found in plants) to show that pharmaco-chemistry offers a great territory for research. There is also the question as to whether the substances isolated occur actually as such in the plants; it is denied that atropine occurs naturally, it being the product of the extraction method. It is also a question whether many essential oils exist in the plants as such; we know that some do not, and that many aromatic waters are acid in reaction, proving that the essences are saponified in distillation. Phyto-chemistry is another means by which problems may be solved in the future. Professor Tschirch here touched upon the most complex constituents of plants, the hexacyclic and aromatic compounds, indicating that phyto-chemistry will be of service in their elucidation. In spite of all his work on the resins, he confessed that we are still ignorant of how they are formed in the resin ducts. After all these things are taken into account there remains the question, Are we standing on safe ground if the botanical origin of the drug is not known? That, he insisted, is an initial requisite of inquiry and solution, and he proceeded to pay tribute to the work that has been done in London by Hanbury and his able successor Holmes. London botanically, he added, is a suburb of Kew, and with that harbour of botanical science, and its wharves and warehouses, London is indeed rich in material for the future of pharmacognosy. After referring to what has been done by comparative anatomy in bringing to light many facts regarding drugs, the work of Greenish being cited, Professor Tschirch proceeded to speak on the research which is required on injurious pests that occur on living drugs and those that spoil preserved drugs. There is only one place where this is systematically studied in the open, and that, he said, is an experimental farm in South California, where the work on citrus species and the pests that attack them has produced new and important facts. Having spread out before his audience so long a vista of research, Professor Tschirch returned again to the work of Daniel Hanbury, once more testifying to the value of his example in patient research, accurate observation, and persistent and unremitting labour.

NOTE OF THANKS.

Mr. DAVID HOOPER said he had very great pleasure in proposing a vote of thanks to Professor Tschirch for his inaugural address and to Professor Greenish for reading it. He thought they were very fortunate that afternoon in having Professor Tschirch with them to give the address, as he was a disciple and follower of Professor Flückiger, the colleague of Daniel Hanbury. Three years ago he had the very great pleasure of being able to pay a visit to Berne, and on that occasion he ventured to prophesy that Professor Tschirch would receive the Hanbury medal. He was very glad that afternoon that his prophecy had been fulfilled. (Applause.) They had met together to rever the name of Daniel Hanbury, whose work and character Mr. Hooper referred to, adding that thirty years had elapsed since he (Mr. Hooper) sat on the side benches in that lecture-room. He was then a disappointed and yet hopeful man. He was disappointed because he had just lost the Junior Bell Scholarship by a few marks. But he was encouraged by the thought that he had just as good a chance of achieving success as those who were sitting with him listening to the address at the opening of

the session. He determined to do his best, and those who were that day listening to the inaugural address could do no more. (Applause.)

Sir ALEXANDER PEDLER, whom the President introduced as a former Bell scholar, seconded the proposition. He remarked that while appreciating the unexpected honour, he felt a little out of place in performing the duty allotted to him, because many years had elapsed since he had done any active work in pharmacy. He could second what Mr. Hooper had said by looking up and finding his name on the board to his left. But unfortunately there stood against it the year 1866. That was a long time back, but he had the greatest pleasure in recollecting the happy times he spent within those walls, and especially the happy time that he spent under the tuition of the gentleman who sat on his right (Professor Tilden). (Applause.) He desired to endorse all that Mr. Hooper had said with reference to Professor Tschirch. From the account which he gave in his inaugural address it could be seen that the science was now making enormous strides. He was sure that one of the foremost workers in that science was the gentleman who had just received the Hanbury medal. (Applause.)

The PRESIDENT then formally conveyed to Professor Tschirch the thanks of the meeting for his excellent address.

THE NEW LABORATORY.

The PRESIDENT remarked that they had reached the end of the programme, but he would take that opportunity of formally declaring the new laboratory open for their inspection and for the work of the students during the coming session. He did this before the meeting separated because he thought that some of those who were upstairs twelve months ago would not care to go up again. (Laughter.) There was a great deal for them to see. The Pharmaceutical Society had spared no expense in equipping the laboratory under the able guidance of Professor Crossley. After inspecting it they would agree that the laboratory was second to none in London, and one of which all connected with the Pharmaceutical Society had reason to feel proud. (Applause.)

The audience then dispersed, the proceedings having lasted an hour and a quarter.

Minor Examination.

We have received from the Registrar of the Society the following list of persons who passed the Minor examination at the October meeting of the Board of Examiners in London:

Alpe, Frank T., Wymondham
Ashley, Walter R., Bradford
Attewell, Oscar H., Newbury
Barham, Joseph, Clapham
Billington, Louis W., Leek
Birch, Claude, Leicester
Booth, Herbert, Crewe
Bowe, John L., Brierley Hill
Brennan, Dorothea W., Derby
Cartmell, Edmund, Kirkoswald
Cobb, George G., Halifax
Cooke, Joseph H., Ellesmere
Cooper, Frank E., Bath
Cowap, William W., Tarporley
Davey, Isabel, Walton
Davies, Reginald, Penarth
Faull, Charles A., Plymouth
Giles, C. C., Newport (Mon.)
Hamnett, Arthur E., Waterloo
Hands, G. W., Honor Oak Park
Hawley, H. V., Merton Park
Hayman, E. A., Teignmouth
Henson, Edwin C., Wanstead
Hill, Elrie J., Battersea
Horton, G., Stratford-on-Avon
Jackson, Edward R., Cardiff
Johnson, Wm. F., Milford Haven
Jones, Evan H., Amlwch Port
Keats, Frank H., Plymouth

Kingston, Thomas E., Bath
Ledsham, Alfred P., Whitechurch
Maynard, H. R., jun., Horn-castle
Mellor, Thomas E., Blackpool
Moore, John T., Bath
Morgan, Henry J., St. Clears
Morris, John L., Whitland
Nicoll, W. H., Whitehaven
Oglesby, George C., Wealdstone
Parry, R. E., Newport (Mon.)
Reed, Victor, Bridgwater
Ridley, Ernest H., Carlisle
Sands, Edmund J., Lincoln
Say, W. McC., Victoria, Australia
Seward, Archibald, Balham
Smith, Walter, Padiham
Snow, Frank, Birkenhead
Sutherland, Walter, Wick
Teare, L. H., Sutton Coldfield
Thomas, Daniel, Llandysul
Wagstaff, Margaret G., Highbury
Wallington, H., Warrington
Wetherall, J. F. E., Ashton-u-Lyne
Williams, W. A., Llandudno
Wood, Jane E., Crosshills
Wynn, Herbert A., Bath

MEDICAL MEN AT THE APENTA SPRINGS.—"The Lancet" reports that during the recent International Medical Congress at Budapest many of the members visited the "Apenta" springs, where the process of raising the water was shown, together with the ingenious machinery employed in bottling it for the market. The scrupulous cleanliness that prevails throughout is mentioned as a special feature.

Association Affairs.

Chemists' Assistants' Association.

THE following is the programme that has been arranged for the half-session (October to December):

October 7.—Inaugural Address. Chairman, Mr. F. L. K. Loxley.

October 14.—Paper, "The Poisons and Pharmacy Act from Different Points of View," Mr. H. Wippell Gadd, Barrister-at-Law.

October 21.—Parliamentary Representation, Mr. W. J. Uglow Woolcock, Ph.C.

October 23.—Musical and Social Evening.

November 4.—Impromptu.

November 11.—Debate.

November 18.—Annual Reunion at Restaurant Frascati. Chairman, Mr. E. T. Neathercoat, Ph.C.

November 25.—Paper, "Hospital Pharmacy," Mr. R. R. Bennett, B.Sc., Ph.C.

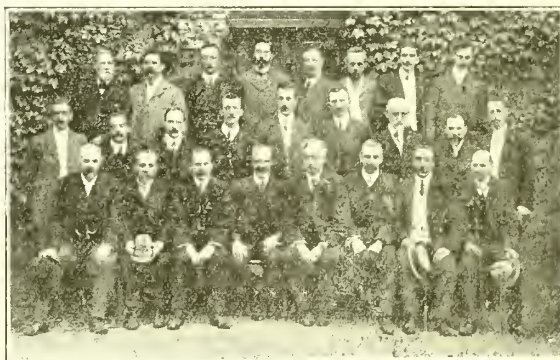
December 2.—Dance.

December 9.—Paper, Mr. B. A. Bull.

December 16.—Musical and Social Evening.

Croydon and District Pharmacists' Association.

A NUMBER of the members of this Association visited the laboratories of Messrs. Parke, Davis & Co. at Hounslow on Wednesday afternoon, September 22. This was regarded by the members as an inauguration of the winter session. The company were received by Mr. H. J. Fisk and Mr. Thomas Maben, F.C.S., and were conducted round the building by Mr. Brown, the laboratory superintendent, and Mr. Walker, the chief chemist. An illustrated description of the works appeared in the *C. & D.* of January 30 last, and the party were shown all the



operations that were then described, such as the manufacture of fluid extracts, emulsions, "Euthymol" tooth-paste, the production of pills and tablets and the coating of same, while on the top floor they inspected processes of packing and all the arrangements for label distribution and registration. Before adjourning to the club-room for tea, Mr. Fisk photographed the party, and while round the tea-tables, Mr. H. Paget Matthews, President of the Association, briefly but warmly expressed the pleasure which he and his *confrères* had in their visit, and thanked the firm for their hospitable reception. Mr. Maben, in his reply on behalf of the firm, stated that the laboratories were always open for inspection by visitors interested in pharmacy and medicine.

Sheffield Pharmaceutical and Chemical Society.

THE ANNUAL GENERAL MEETING was held at the rooms of the Literary and Philosophical Society, Church Street, on Wednesday evening, September 29, Mr. R. D. Douglas (President) in the chair. There were also present Messrs. H. Antcliffe, J. T. Appleton, A. H. Culverhouse, A. R. Fox, G. Squire, H. G. Williams, J. G. Jackson, J. Evans, F.I.C., F.C.S., J. Austen, J. B. Pater (Hon. Secretary), J. Chadwick, R. Dixon, F. Medley, and others.

VOTING FOR THE COUNCIL.

Messrs. J. Evans and A. H. Culverhouse were asked to act as scrutineers in the election of Council. Mr. Antcliffe asked for the President's ruling as to whether voting-papers should be accepted which were delivered after the meeting

had commenced, in view of the difficulty which had arisen at the last annual meeting.—The President pointed out that the rules provide that voting-papers should be delivered before or at the meeting.—A further question was raised by Mr. Appleton as to whether voting-papers on which an alteration had been made would be thrown out, and it was decided to leave the matter in the hands of the scrutineers to decide at their discretion any cases as they might arise.

ANNUAL REPORT.

The Hon. Secretary then presented the annual report of the Council. They pointed out that a strong local society is as potent to-day as ever, and that consequently the decrease in membership was a matter for serious consideration. During the session ten council-meetings and four general meetings had been held, and in reviewing the work of the year the report stated that Mr. Glyn-Jones had addressed the chemists of the district on the Poisons and Pharmacy Act, 1903. The report proceeded:

"The address was well attended, and did much to help towards the better understanding of the Act, and as the direct outcome of this meeting two new Pharmaceutical Associations were formed—viz., Rotherham and Doncaster. The Council think that some reference should be made to the fact that this year there was no dinner or ball. These functions were not overlooked—in fact the dates were fixed—but circumstances arose which your Council considered made the holding of these functions undesirable. Since the last annual meeting various licences have been granted to sell certain poisons under Section 2 of the Poisons and Pharmacy Act. Your Council took active and aggressive measures to prevent these licences being granted, but in spite of all arguments the authorities decided to grant these licences. To those members who, in answer to the circular letter on this matter, approached their representatives in the City Council and endeavoured to educate them regarding these licences the thanks of the Society are due."

The report closed with a sympathetic reference to the death of Mr. J. M. Furness, a past President of the Society. The report was adopted on the motion of the President, seconded by Mr. Squire.

ELECTION OF COUNCIL.

The scrutineers presented their report showing that the following members had been elected to the Council—viz.:

H. G. Williams	23 votes
J. Austen	21 "
J. Chadwick	21 "
F. Medley	21 "
G. T. W. Newsholme	21 "
H. Antcliffe	20 "

Out of the forty-six papers issued, forty-two were returned, two of which were unsigned and therefore not valid.

The members of the Council for the ensuing year are as follows: Messrs. Williams, Medley, Newsholme, Austen, Chadwick, Antcliffe, Jackson, Pater, Fox, Appleton, Carr, and Ellis. A hearty vote of thanks was accorded to the scrutineers for their services, and the voting-papers were ordered to be destroyed.

[The result of the voting was a loss of two seats for the party previously in power, thus giving a majority to the "progressives," as they have styled themselves.]

At a meeting of the Council of the Society, held immediately prior to the general meeting, Mr. G. T. W. Newsholme was elected to represent the Society on the Court of Governors of the University of Sheffield.

National Union of Assistant Pharmacists.

A MEETING of the Executive of the Union was held at the Cobden Hotel, Birmingham, on September 26. Mr. E. S. Francis (Birmingham) was elected Hon. General Secretary, and Mr. Clarke (Weston-super-Mare) fills the vacancy on the Executive.

THE SHOP-HOURS BILL was discussed in the light of the following letter received from the Home Office:

SIR,—With reference to your letter of the 17th instant on the subject of the Shop-hours Bill, I am directed by the Secretary of State to say that the Bill limits the hours of assistants in chemists' shops to sixty in the week, exclusive of meal-times, but provision is made by Clause 23 (2) to allow a shop-assistant to serve a customer who comes after

the shop is closed, under the provisions of Part II. of the Act, with medicines or medicinal or surgical appliances.

(Signed) HENRY CUNYNGHAME.

September 22, 1909.

The following resolution was passed, and copies ordered to be sent to the Prime Minister, the Home Secretary, the Pharmaceutical Society, and others:

This meeting of the Executive of the National Union of Assistant Pharmacists, held in Birmingham on September 26, 1909, thanks his Majesty's Government for including chemists' assistants within the sixty hours' provision of the Shop-hours Bill (No. 2). This meeting considers that the Bill should restrict the sale of "medicines or medical or surgical appliances" to shops in charge of registered chemists and druggists, and desires that the words "*the hours of attendance for such sales to be specified hours of duty which shall be recognised as part of the sixty hours per week*" shall be substituted for the words "or shall prevent a shop assistant" to the end in Clause 23 (2). Further, this meeting desires the substitution of the word "inclusive" for the word "exclusive" in Clause 1 (1.) (a) and asks his Majesty's Government to grant facilities for the passing of the Bill into law early next Session.

DISPENSING IN PUBLIC INSTITUTIONS.—It was resolved to send the following letter to public departments and to those concerned, as occasion arises:

The National Union of Assistant Pharmacists has considered the question of dispensing in public institutions, and has decided that it is in the public interest that the attention of public bodies and others having the appointing of a dispenser should be drawn to the following facts, and for which we respectfully ask your consideration:

(1) The Pharmacy Act restricts the open sale of poisons to duly qualified chemists and druggists who have been trained and examined by the Pharmaceutical Society, so that they are fully informed as to the nature and properties of poisons. We submit that it is a necessity for the public safety that poisons which are dispensed in large quantities in public institutions should be under the control of a fully qualified individual, and we therefore ask you to appoint a registered chemist and druggist (*i.e.*, a pharmacist) as dispenser.

(2) The remuneration offered for the services of a dispenser is frequently such as to admit only of securing persons holding certificates other than the diploma of the Pharmaceutical Society (the recognised standard of efficiency), and as the training for the diploma is long and expensive, we consider 130*l.* per annum to be the minimum salary (irrespective of sex) for the professional and responsible services of a dispenser.

We ask your support in securing to us these rightful conditions in recognition of the fact that it is necessary for us to undergo special training in the interests of the safety and service of the community.

It was decided to discuss again the question of the admission of unqualified assistants to gauge the present feeling of the Executive, and it was resolved to advise the annual meeting to admit persons who had passed the Preliminary examination to student membership giving them the right to vote at branch meetings, but no standing as an official or delegate. An age limit of thirty years was agreed upon. It was felt that these provisions would enable the Union to obtain the co-operation in the objects of the Union which are mutually desirable of those of the unqualified who are recognised by the Pharmaceutical Society while securing to registered men full control of the Union machinery.

FINANCES.—In discussing the financial basis of the Union, it was the unanimous feeling that the present subscription was inadequate for the extended usefulness of the Union, and it was agreed to submit two schemes for the consideration of the annual meeting:

(1) That the subscription be raised to 7*s.* 6*d.* per annum (6*s.* for general management and 1*s.* 6*d.* for branch); student members 3*s.* 6*d.* (2*s.* 6*d.* for general management, 1*s.* for branch).

(2) That the entrance fee be 5*s.* and the contribution 2*s.* 6*d.* per month (four weeks); student members 2*s.* 6*d.* and 1*s.*

COUNCIL CANDIDATES.—It was decided that the Union should concentrate their efforts upon the return of two members as their representatives on the Council of the Pharmaceutical Society, and Messrs. F. Bullen (London) and E. S. Francis were chosen as candidates.

It was decided to publish the first number of an official organ, "The Assistant Pharmacist," in January.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., September 30.

THE consensus of opinion this week is that business in the chemical and drug market has suddenly turned extremely quiet, but probably the lull is temporary only. The bulk of price-changes, however, is again upwards, as the table below shows. Prominent among these are the two advances in quicksilver. Mercurials are, however, unaltered. Turkey opium, in the absence of business, is on the easier side, but taking statistics into account, several dealers have faith in ultimately higher rates. The excitement in American peppermint oil has cooled off, but the position in the West is none the less firm, as will be seen from our editorial note. Among minor drugs, damiana has established a fresh advance, and Mexican sarsaparilla is also dearer owing to floods preventing digging. Jalap, owing to the same reasons, is firm, and higher prices have been paid for retail lots of senega. Refined camphor is quiet. Russian cantharides have sharply advanced. Turkey colocynth is scarce and wanted, but pulp is plentiful. Copaiba remains easy. Ergot and Soudan acacia are firm. Lime juice is easier. New manna opens at high values. Lemon oil is easy in the absence of demand. Mandrake is scarce and Tinnevely senna has arrived in quantity. Hankow wood oil is dearer. Copper sulphate, after being easier, closes firmer. Pepper has been active at higher rates. The principal alterations have been as follows:

Higher	Firmer	Easier
Damiana-leaves	Aloes (Curaçao)	Ginger (Jamaica)
Pepper	Nutmegs	Lime juice
Quicksilver	Sarsaparilla (Mex)	Opium
Soya oil	Senega	Shellac
Wood oil	Senegal gum	

London Markets.

ACID, CITRIC, remains extremely quiet with an easy undertone, English offering at from 1s. 3½d. to 1s. 4d. and foreign 1s. 3d. to 1s. 3½d.

ALOES.—Sixty packages have arrived from Mossel Bay and 14 from Algoa Bay. Curaçao aloes is firm at 35s. 6d. c.i.f. for 100-case lots taken tale quale, although arrivals have been fairly heavy in New York.

ARROWROOT.—At auction 134 barrels St. Vincent were bought in at 1½d. to 2d. for fair manufacturing.

CAMPHOR (CRUDE).—Chinese continues a lifeless market at 137s. 6d. spot and 132s. 6d. c.i.f. to arrive.

CAMPHOR (REFINED) is quiet, with sellers of Japanese 2½-lb. slabs for November-December shipment at 1s. 6d. c.i.f.

CANTHARIDES.—Russian has sharply advanced, several agents now quoting 3s. 4d. per lb. for shipment from Hamburg.

CASCARA SAGRADA.—Further business of several tons has been done at 35s. c.i.f. for September-December shipment from West Coast, and spot sales have been made at 39s. to 40s., the latter including three-year old.

CHAMOMILES.—Prices are firm but irregular, one agent offering new Belgian at 97s. 6d., and No. 2 at 85s. ex-wharf, but in another direction 102s. 6d. is quoted for first pickings.

CHILLIES.—At auction 214 bags new import Mombasa were bought in at 40s. to 43s. for ordinary dull to fair. Good red Japanese were also bought in at 40s., and ordinary dark at 35s.

CLOVES.—At auction 12 cases Penang were bought in at from 1s. 1d. to 1s. 2d. for fair to good, and 27 bales Zanzibar stems were bought in at 2½d. Privately the market for Zanzibar cloves is quiet, with small sales of fair at 5d., October-December delivery at 4½d., and January-March 5½d. to 5d. For arrival, October-December shipment has been sold at 4¾d. c.i.f.

COLOCYNTH.—Sellers of pulp quote 8d. per lb., at which small sales have been made. Turkey apple is scarce, one holder asking 1s. 2d.

COPAIBA.—The lot of 43 cases from New York, which was sold at auction last week, has since been rejected, having been found on analysis by Messrs. Umney and Parry to be adulterated with so-called African wood oil, the optical rotation being *nil*. Sellers of Maracaibo of B.P. quality quote 1s. 9½d. to 1s. 10d., at which small sales have been made, and for filtered Maranham in tins and cases the value is about 2s. 4d. Seven packages of this description have arrived in Liverpool this week. The exports from the port of Maracaibo, Venezuela, during 1908 amounted to 69,739 barrels, valued at 8,057l., against 71,732 barrels, valued at 10,712l., in 1907.

COPPER SULPHATE is firm on the spot at 18l. 15s. for prompt delivery, and in Liverpool from 18l. 5s. to 18l. 7s. 6d. is quoted.

DAMIANA-LEAVES.—The advance we noted a fortnight ago has been followed by a further sharp advance of 4d. to 11½d. per lb., c.i.f. terms. Holders' idea of value for a small spot lot is about 1s.

DRAGON'S-BLOOD.—The s.s. *Jason* has brought 17 packages from Singapore.

ERGOT.—There has been a fair spot demand, and the market is now very bare, up to 1s. 6d. having been paid for sound Russian of old crop. New Russian is offered at 1s. 6d. to 1s. 6½d. c.i.f. as to agent, and a small parcel of new Spanish now landing is quoted 1s. 7½d., the price to arrive being 1s. 7d. to 1s. 7½d. c.i.f.

GAMBIER.—Small sales of cubes have been made at 39s. spot, which price might be shaded for quantity.

GAMBGE.—The s.s. *Jason* from Singapore has brought 14 cases.

GINGER.—At auction 165 barrels Jamaica were offered and 101 sold at from 52s. 6d. to 56s. for dull to fair bright washed, and 42s. to 43s. for common Rhatoon. Of Calicut 55 cases offered and five sold without reserve at 78s.; of 663 bags offered, 50 sold without reserve at 41s. 6d. for rough mixed small. Brown Calicut rough was bought in at 45s., and washed rough Cochin at 43s. to 45s. Privately sellers of Japan for January-March shipment ask 27s. 6d. c.i.f.

GUINEA GRAINS.—Small sales have been made on the "spot" at 66s. 6d.

GUM ARABIC.—Importers of Soudan are very firm, the price for shipment being above current spot values. Senegal (Bas de Fleuve) is held for 1s. advance at 30s. 6d. per cwt. f.o.b. Bordeaux.

HONEY is firm. Fine liquid Californian has been sold at equal to 42s. landed terms. Sales in Liverpool include Chilean Pile II. at 28s.

JALAP.—The storms in Mexico have given a firm tone to this market, but there is no material alteration in values; 1s. 11d. has been paid on the spot.

JUNIPER-BERRIES are firm at 17s. 6d. spot, and to arrive 14s. c.i.f. is quoted.

LIME-JUICE.—West Indian concentrated is quoted 17l. 5s. A fair business has been done, but buyers' idea of value is about 16l. 15s. to 17l.

LYCOPodium.—Russian, of treble-sifted quality, for October shipment is offered at 1s. 7½d. per lb. c.i.f.

MACE.—Steady; at auction 9 packages West Indian sold at 1s. 7d. to 1s. 8d. for fair, 1s. 5d. for ordinary, and 1s. for broken. Bold flat red Java was bought in at 2s.

MANNA.—As anticipated, prices of new crop have opened very high—viz., from 3s. 4d. to 3s. 6d. per lb. for bold flake, and 1s. 9d. for *débris*.

MENTHOL.—Quiet, with small sales of Kobayashi on the spot at 8s. 6d. and Suzuki at 8s. 5d.; for October-December shipment the former brand has been sold at 8s. 3d. c.i.f.

MERCURIALS are unaltered in spite of the 5s. advance in quicksilver. It may be remembered the previous advance was in October 1908, when the quotation for quicksilver was 8l. 10s., so that there is likely to be no change on the present occasion. The present list prices for lots below 2 cwt. are as follows: Calomel, 2s. 10½d.; corrosive sublimate, 2s. 6½d.; red oxide, 3s. 1½d.; white precipitate, 3s. 2d.; and black sulphide, 2s. 6½d. per lb.

MORPHINE is steady, the maker continuing to quote from 7s. to 7s. 3d. for hydrochlor. pulv., the lower figure being for 175-oz. lots on contract.

MUSK is steady at unaltered values for Tonquin pod. Some new season's Cabardine of very good quality has arrived.

OIL, COD-LIVER.—Our Bergen correspondent writes on September 27 that the market is very firm, finest non-congealing oil having been sold at the equivalent of 68s. per barrel, c.i.f. terms. The exports from Bergen amount to 11,329 barrels, against 15,784 barrels at the same date of last year. Several small sales of 1908 Lofoten oil have been made on the spot at 66s. per barrel.

OIL, LEMON.—According to an advice from Palermo of September 18, the market for lemon oil continues quiet and inactive, owing to the absence of demand from abroad. A few transactions have taken place locally to cover previous blank engagements, and by dealing with weak holders it has been possible to shade prices here and there. This business, however, is of a retail nature, and the position of the market, although generally weak, is unsettled as regards market values. For shipment 2s. 10d. to 3s. per lb. c.i.f. is quoted.

OIL, PEPPERMINT.—The excitement in this article has now subsided, but the position is none the less firm, as will be seen from our editorial note. Interest this week appears to have gravitated more towards bottled oil, the proprietor of the H.G.H. brand having, it is said, made extensive purchases from the distillers. Most holders on the spot now ask 10s. 6d. for this brand, but a little could possibly be had at 10s. 3d., at which sales have been made; the feeling in some quarters is that the price may reach 12s. Wayne County in tins is quoted 8s. 6d. to 8s. 9d. on the spot, which prices have been paid; and for shipment 8s. 6d. to 8s. 7½d. c.i.f. is quoted from second-hands. Japanese oil is also firm, but quieter, the sales including Suzuki for January-March shipment at 5s. 3½d. to 5s. 4d. c.i.f. Kobayashi is quoted 5s. 10d. spot and 5s. 8d. c.i.f. to arrive.

OLIBANUM.—Small sales of reddish drop have been made at 30s., and of fair small drop at 37s. 6d. per cwt.

OPIMUM.—The feeling all round is slightly easier, with the week almost a blank, no business having been done either for arrival or spot in Turkey or Persian opium. Turkey druggists' on the spot is offered at 14s. 3d. to 14s. 6d., and the few cases of Persian to be had are held for 15s. 6d., a bid of 15s. having been refused.

A Smyrna correspondent writes on September 17 that during the week large American buyers have been trying to purchase selected extra Karahissar at last week's figures, but sellers asked an advance of 9d. To-day buyers gave in, and at 15s. 3d. some 56 cases of above quality changed hands, together with five cases selected t.g. for speculators and three cases for the Continent at 14s. 6d. Market closes very firm, with still higher pretensions for next week's operations. Arrivals to date amount to 1,393 cases, against 1,672 at same period last year. Writing on September 18 another Smyrna correspondent states that since the opening only eight cases were sold at the previous rate of 130 piastres, or 14s. 4d., and the tone was easy at these rates until the news came from Constantinople that sales had taken place at higher quotations, which served to strengthen the market. The consequence was that an American buyer was only able to obtain 80 cases by paying 135 piastres for "extra" or 14s. 11d. per lb. c.i.f. Market closes firmly, and important sales can only take place at a further advance.

A further letter from one of our Smyrna correspondents, dated September 24, reports a quiet week, with sales amounting to 11 cases selected t.g. at 14s. 6d. Sellers are very reserved, and firmly maintain last week's position. A large

buyer for U.S.A. account came forward for extra selected Karahissar and offered to pay 15s., but holders would not accept less than 16s. The arrivals to date amount to 1,426 cases, against 1,723 at same period last year.

The British Chamber of Commerce in Turkey in their quarterly trade journal give a short review of the opium market since the beginning of the season, which is as follows: "Early in June this year's opium-crop was generally estimated at about 7,500 cases. Later in the month, however, consequent on the drought, this figure was reduced to 6,500 to 7,000 cases, and towards the end a maximum of 6,500 was talked of. Prices for best quality druggist opened at 11s., but pressure of arrivals from the interior soon brought down the price to 8s. 5d. Between this figure and 10s. considerable purchases were made for London and American account. Demand continued to be very brisk, and prices gradually advanced to over 10s. towards the end of July. Early in August orders came flowing in from all parts, and ere long 11s. was registered. Towards the end of the month it became apparent that the plants had yielded less than was expected, and the estimate of the total output was reduced to 5,500 cases. When this fact became general knowledge, buyers showed more anxiety than ever to lay in stock, and towards the end of the month prices rose by leaps and bounds, until 13s. 6d. was touched. Putting aside the fact that the crop had yielded so little, Persian dealers, who at this season usually offer freely to arrive, showed no anxiety to sell to London owing to large quantities being shipped to China and Japan. Everything available is at present being taken up by those countries, but the probabilities are that later on a large percentage of these shipments will find their way to London; but in the meantime the London market is bare of stock, and if the demand has to be supplied by Turkish opium alone a much higher level may be reached ere long."

PEPPER (BLACK).—At auction 594 bags Tellicherry offered, and 450 sold at 3½d. for good; 200 bags heavy Aleppy were bought in at 4d. for fair, and 60 bags good Ceylon at 3½d. to 3¾d. Privately the spot market for Singapore has advanced another ½d. to 4d. for fair, and for shipment a large business has been done at fluctuating prices, including October-December shipment at 3½d. to 3¾d. to 4d., November-January at 4d. to 3½d., and January-March at 4½d. to 4¾d. Penang Class A for November-January has been sold at 3¾d. to 3¾d. c.i.f.

PEPPER (WHITE).—At auction 17 cases fine Singapore were bought in at 9d., and 17 bags fair Java at 7d. Privately the spot-price of Singapore has advanced ¾d. to 7d. per lb., and for arrival a good business has been done at higher rates, including August-October, 6½d.; September-November, 7d.; October-December, 7d. to 6¾d.; November-January, 6½d. to 6¾d.; December-February, 6¾d. to 6½d. per lb. Muntok to arrive has been sold at 7½d. c.i.f. Market closes quiet.

PIMENTO.—At auction fair was bought in at from 2½d. to 2¾d. Privately 19s. 6d. per cwt. c.i.f. has been paid for distant shipment, but 20s. is asked at the close.

PODOPHYLLUM is scarce on the spot; about a ton has been placed at 42s. 6d., and to arrive 42s. to 42s. 6d. is quoted as to seller.

QUICKSILVER.—A large business having been done by the importers at 8l. 7s. 6d., and stocks in second-hands having been practically cleared off, the Baron on Wednesday raised his price twice, first to 8l. 10s. and subsequently to 8l. 12s. 6d. At the close second-hands quote 8l. 12s.

QUININE remains unaltered but steady at 6¾d. for the usual brands of German sulphate from second-hands, and at from 6¾d. to 6½d. for outside brands.

RHUBARB.—Retail sales of flat High-dried have been made at 1s. 1d., and of bold round Canton at 1s. 2d. per lb.

SANTONIN.—The monopoly do not yet appear to have fixed an official price. It is said that it will probably be fixed at 50s., but if so the consumption is likely to be interfered with. A little could probably be had at 37s. 6d.

SARSAPARILLA.—Mexican has advanced to 6½d. per lb. c.i.f. to arrive, owing to floods in the producing district having prevented collection, and on the spot a shade less would buy.

SENEGA is dearer. Small spot sales have been made at 2s. to 2s. 1d. net, but 2s. 2d. is generally asked, and for shipment 2s. 2½d. c.i.f. has been cabled.

SENNA.—The *Clan Buchanan* and *Clan Menzies* from Tuticorin have brought 388 bales and 505 bales Tinnevely. A further 885 bales are in *tr.*

SHELLAC is dull and prices are easier, with fair free TN offering at from 68s. to 69s., at which a small business has been done, and for December-January 67s. c.i.f. has been paid. Futures are steady, the sales including October at 68s. to 69s., December at 69s. to 71s., and May 73s. to 73s. 6d. to 71s. 6d.

SOY.—Further sales of Wochan brand have been made at 1s. 2½d., and Sealoon at 1s. 2d. per gal., duty paid.

SOYA OIL has advanced to 22s. 3d. to 22s. 6d. per cwt. spot.

TAMARINDS.—Fair black Calcutta are offered at 12s. 6d. spot, and to arrive at 10s. 6d. to 11s. as to quantity.

WOOD OIL.—Spot sales of Hankow have been made at an advance of 1s. per cwt., up to 23s. 6d. having been paid.

Heavy Chemicals.

There is a somewhat greater activity to be reported in the heavy-chemical market, both as regards main and miscellaneous products. Very fair business has been done in forward requirements, and, as intimated last week, contracts are being concluded on practically this year's prices. Demand against existing contracts is on the whole good, though of course one hears of complaints here and there.

SULPHATE OF AMMONIA.—The firm tone continues, and prices seem likely to be higher for early delivery. Present nearest figures: Beekton prompt, 11l. 10s. to 11l. 11s. 3d.; January-June, 11l. 15s.; Beekton terms, 11l. 3s. 9d. to 11l. 5s.; London, 11l. 3s. 9d. to 11l. 5s.; Leith, 11l. 10s.; January-June, 11l. 15s.; Hull, 11l. 5s.; and Liverpool, 11l. 6s. 3d. to 11l. 7s. 6d.

BICHROMATES OF POTASH AND SODA seem to be moving rather better, but are still on the quiet side at unchanged rates. Bichromate of potash: English and Scotch deliveries, 3½d. per lb. less 5 per cent., and export, 3¼d. per lb. net f.o.b. Glasgow. Bichromate of soda: English and Scotch deliveries, 3d. per lb. less 5 per cent., and export, 2¾d. per lb. net f.o.b. Glasgow.

BENZOLS show a fair business, and prices are steady. 90 per cent. stands 5¾d. to 7d., and 50 per cent. 6¾d. to 7¼d. according to market.

RECOVERED SULPHUR keeps in good demand and is steady on the basis of 5l. to 5l. 5s. per ton in 2-cwt. bags.

SULPHOCYANIDES do not show any material change either in demand or value. Potassium, 7d. per lb.; ammonium, 9s per cent., 7d. per lb.; and barium, 9s per cent., 3¼d. per lb.

ZINC SALTS maintain a steady tone and are in fair consumptive demand. Zinc sulphate crystals, 6l. 15s. to 7l. per ton, and zinc chloride solution, 100° Tw., 6l. to 6l. 5s. per ton.

MAGNESIUM SALTS continue to move well both on home and export account. Sulphate, 62s. 6d. to 65s. per ton; chloride, 67s. 6d. to 70s. per ton; and carbonate, 30s. to 35s. per cwt.

Manchester Chemical-market.

September 28.

The position in heavy chemicals at the close of the month shows more confidence in the future than has been the case for a long time past. On both home and foreign account there is a hopeful feeling, and it is reported that for next year's delivery a fair business has been put through. Generally speaking, there has been little change in prices, although bleaching-powder contracts have been in buyers' favour by about 5s. per ton. Chlorate of potash is about unchanged. Sulphate of copper has shown little movement, and is lower on the month by 15s. to 20s. per ton. There is perhaps a little more inquiry for spring delivery, but for prompt, demand is quiet at about 18l. 10s. to 19l. per ton Manchester. Green copperas has shown an improved feeling at the close. Acetate of lime has been firm both for brown and grey. Arsenic closes a shade better at 12l. 15s. to 13l. 5s. per ton. Acetic acid (60 per cent. technical) is 15l. 10s. to 16l. per ton. Caustic potash 88 to 90 per cent., 22l. 10s.; electrolytic, 50 per cent. and Bè-liquid, 11l. 12s. 6d. to 12l. net Goole-Hull. Carbonate of potash has had a drooping tendency, and is quoted 16l. 5s. to 16l. 10s., with lower prices for foreign, to arrive. Yellow prussiate is quiet at 4½d. per lb. Borax steady. Cream of tartar and citric and other acids have ruled in buyers' favour throughout the month and close rather lower. In coal-tar products the position has shown little change, except in sulphate of ammonia, which is higher and is quoted 11l. 3s. 9d. to 11l. 5s. per ton on rails Manchester. Pitch has not moved very freely locally, but makers do not manifest great desire to push sales. Benzols are firmer, but carbolic acid is quiet.

American Drug-market.

September 21.

Business in drugs has steadily improved during the interval, and, with buyers showing more desire to anticipate their wants, the market has acquired a normally active and steady tone. Opium and peppermint oil are higher. Hydrastis is easier.

ALOES.—The spot supply has recently been augmented by the arrival of some 700 cases of Curaçao, but the demand is good, and prices are fairly steady at 6½c. to 7c., as formerly. Cape and gourds are neglected at 8c. and 9c. respectively.

ASAETIDA continues scarce, and drug approaching the U.S.P. standards commands a ready sale at 60c. to 65c.

CASCARA SAGRADA is in quiet demand and fairly steady at the unaltered quotations of 8c. to 9c. Recent offers from primary sources are well in advance of the views held by spot dealers, and the eastward movement of bark has accordingly been delayed, pending confirmation of the claims of a short peel.

CANADA BALSAM is in poor demand, and, with freer offerings from primary sources, prices are easy at \$5.75 per gal.

COPAIBA.—Spot supplies of C. and S. American are quite extensive, and, owing to a falling-off in the demand, the quotations of 42c. to 50c. are merely nominal, concessions being obtainable on small orders. Pará is worth 50c. to 55c. as to quality.

DAMIANA-LEAVES are scarce and higher at 15c. for prime grades, the local stock being low and shipments from growing districts backward. [Since the above was written a further advance has occurred.]

HYDRASTIS.—Buying interest has abated considerably, and, with freer supplies available in the country, spot holders now offer at \$2 to \$2.05. The drug is by no means plentiful, however, and the market is steady on the easier basis at 45c., as formerly.

JALAP is quiet but steady at 45c., as formerly.

MANDRAKE.—The market continues active, and, owing to limited country supplies, spot prices are firm at 8½c. to 9c. according to quality.

OPIMUM is again dearer at \$5.15 for case lots, representing an advance of \$1 since the beginning of the month. The strong tenor of primary advices, coupled with some stringency on spot, is the usual reason assigned for the upward movement of prices. Buyers are meantime conservative in their demands, preferring to await the turn of events.

PEPPERMINT OIL (AMERICAN) is now quoted at a considerable advance on spot, with offerings restricted. The advance is attributed to the unusual strength exhibited by the country markets, where dealers ask prices in excess of those ruling in New York. It is reported that a more or less successful attempt is being made to control the country supply of "held-over" oil; otherwise the position is unexplainable, since stocks are plentiful, and any reduction in the present crop is due only to decreased acreage, involving no increased cost per lb. in the production.

Continental Drug and Chemical Markets.

CARNAUBA WAX.—Apparently larger quantities have again been offered from the source of production on cheaper terms, owing to a falling-off in the speculative demand on European and North American account. Limits were thus lowered all round, and both current grey and fatty grey sorts are now again offered at 177.50m. per 100 kilos, net, taken at the wharves. The cheaper rates have stimulated the demand, however, and a large business was put through in both sorts. The stocks of yellow are very much reduced, the better sorts being almost unobtainable.

BEEWAX rules quiet though with a rather larger demand for San Domingo and especially East African descriptions. The prices paid for these vary between 2.66m. and 2.68m. per kilo, net for goods afloat.

CHRYSAROBIN.—Offers have now been made down to 18m. per kilo, in sympathy with raw material, the supply of which has been more regular, the current price being 400m. per 100 kilos.

COPAIBA.—In consequence of liberal arrivals, quotations were rather weaker, with sales at 3.25m. to 4m. per kilo, according to quality, but the tone is now firmer on smaller receipts.

GLYCERIN.—Manufacturers find it difficult to keep pace with the heavy calls for delivery on current contracts, and are compelled to insist on buyers not exceeding their monthly calls as agreed by contract. Colour is added to the theory that prices are on the way to a further advance by the fact that consumption is steadily on the increase on the approach of the end of the year. It would be idle to look for a notable falling-off in consumption—which alone would check a further rise—as large orders have already been placed for delivery far into 1910 at the high prices.

JUNIFER-BERRIES.—Prospects as to the new crop in Italy point to a small yield, and as old stocks there have become

exhausted indications point to high prices forthwith. It was, however, recently impossible to form an opinion as to the yield of the Hungarian crop. According to the latest news the latter is unusually large, which should to some extent make up for the deficiency. Quotations for that crop are lower, but the better qualities of Italian will nevertheless have to be purchased.

KOLA.—Through the reported and since confirmed large buying orders executed in August the market has been placed in a strong position. There has been a keen demand, but there is no immediate prospect of securing any appreciable quantity from the growing countries. Prices therefore have advanced, and now range from 70m. to 75m. per 100 kilos.

QUILLAI.—Owing to the bad summer weather, consumption fell off last month as against last year, which explains the smaller orders placed. Stocks at Hamburg are moderate, and quotations are 66m. to 65m. per kilo. The few lots still offering by producers are held for 67.66m. c.i.f.; cut lots are worth 69.50m. to 71m. according to quantity.

SANTONIN.—In spite of the existence of the combination in this article, it is still impossible to obtain a quotation. The most is made of this by second-hand holders, who have only small stocks and have already realised up to 60m. for lots of 50 to 100 kilos. The price now asked is 65m., which may possibly soon be realised unless the combination steps in at lower prices.

TARTARIC ACID is entirely neglected. The quantities of second-hand foreign material now on offer are so large, and the prices quoted so low as compared with the terms quoted for the German product, that the latter is suffering from this competition. The general situation, indeed, is viewed with apprehension.

WORMSEED.—What is reported about santonin also applies to this article so far as there is also no price available from the convention. The large stocks held by the latter at Hamburg have yet to be used up. Nothing reliable is obtainable about the new crop. There was lately a good deal of speculation, and a good business took place in second-hand parcels. The price in Hamburg was quickly raised from 77.50m. to 100m. per 100 kilos., and nothing further is obtainable below 85m. As to the regulation of prices at the hands of the convention, nothing definite is known.

Cablegrams.

NEW YORK, September 30:—Business in drugs has improved. Opium is cheaper at \$5 per lb. for druggists' by single cases. Peppermint oil is irregular, the quotation for American in bulk being \$2 per lb., and a jobbing demand from second-hands is being satisfied at \$1.75. Damiana-leaves have advanced to 18c. per lb. Copaiba is 2c. lower at 40c. per lb. for Central and South American. Senega has advanced to 48c. Cascara sagrada is dull at 8c. Jalap is easier at 45c., and podophyllum (mandrake) is lower at 8c. Hydrastis (golden seal) is nominal at \$2 per lb.

AMSTERDAM, September 30:—At the auction of cinchona held to-day 10,125 packages were offered, of which 9,024 packages sold at the average of 2.98c. per half kilo., against 3c. paid at the auction on August 26. The following were the approximate quantities of quinine purchased by the principal buyers: (1) The English and American factories, 14,464 kilos.; (2) the Brunswick factory, 6,236 kilos.; (3) the Mannheim factory, 5,059 kilos.; (4) the Amsterdam factory, 1,437 kilos.; (5) the Frankfurt and Stuttgart factories, 4,834 kilos.; (6) the Maarsse factory, 5,304 kilos.; (7) various buyers, 11,131 kilos. The lowest price paid for manufacturing bark was 7½c., and the highest 35¾c., while for druggists' bark from 5½c. to 46½c. was paid. The coca leaves sold at from 30c. to 66½c. per half-kilo.

A REQUEST for "Sarsparella balls" rather puzzled a chemist the other day. Sal prunella globules were wanted.

"THE CHEMIST'S MEDICAL DICTIONARY" is "a very compact and most useful volume," writes a Pharmacist (165/45). Copies can be obtained from the C. & D. office by post for 2s. 8d.

GOTHENBURG CHEMICAL IMPORTS.—The following were among the imports into Gothenburg last year, the figures in parentheses being those for 1907: Acids, 1,381 tons (1,302 tons); alkali, 5,319 tons (6,086 tons); bleaching-powder, 1,844 tons (1,792 tons); Glauber salts, 6,527 tons (7,070 tons); potash salts, 454 tons (493 tons); sulphur, 9,765 tons (9,047 tons).

ST. PIERRE COD-LIVER OIL.—According to the report of the British Consul at the French Colonies of St. Pierre and Miquelon, the pure cod-liver oil for medicinal purposes at St. Pierre is stated to be of excellent quality. The total export from the Colony in 1908 amounted in value to 67,511f., or 2,700l.

London Chamber of Commerce.

Australian Patents.

A SPECIAL MEETING of the members of the Patents, Trade-marks, and Designs Section and other members of the London Chamber of Commerce was held on September 24 to consider the position of British owners of Australian patents in regard to the compulsory working clause of the Australian Patents Act, 1903 (Amendment), Bill, which recently passed the Australian Senate, and is now before the House of Representatives. Mr. J. E. Evans-Jackson (Chairman of the Section) explained that the compulsory working clause in the Australian Bill is founded on that of Great Britain, but he thought that the proposal would not be beneficial to the Commonwealth, and could only result in serious injury to owners of Australian patents. Mr. Thynne (Vice-President of the Brisbane Chamber) stated that the people of Australia were endeavouring to give opportunities to the rising generation to obtain a start in occupations suitable for their capacities, and thought it would be very difficult to prevent the adoption of the measure proposed. He was, however, in full accord with the suggestion that had been made of reciprocity between the Mother Country and Australia as to the working clause. After further discussion the following resolution was unanimously adopted:

That this meeting of the Patents, Designs, and Trade-marks Section and others, having considered the objects of the Australian Patents Act, 1903 (Amendment), Bill, and, while recognising the right of the Commonwealth Government to legislate according to its own policy, is of opinion that British owners of Australian patents will be very seriously affected by the Bill. This meeting therefore urges that the Chamber should approach the British and Commonwealth Governments by deputation, to urge the introduction of a clause in the Bill to reciprocally grant exemption from British and Colonial patents in the United Kingdom and Australia, provided that such working is carried on in either country.

It was also resolved to communicate with other British Chambers of Commerce asking for their support to the suggested action.

Port of London Dues.

A SPECIAL MEETING of the Chemical Trades Section was held at the offices on Thursday, September 30, at 3 p.m., to discuss certain points in the draft schedule of maximum port dues recently issued by the Port of London Authority. Mr. John C. Umney presided. Among those present were:

Mr. D. Lloyd Howard (Howards & Sons, Ltd.), J. S. Pearce (Spencer, Chapman & Messel, Ltd.), Mr. Henry Potter (Potter & Clarke, Ltd.), Mr. H. E. Stevenson (Baiss Bros. & Stevenson, Ltd.), Mr. E. A. Webb (Evans Sons Lescher & Webb, Ltd.), Mr. F. Gray, Mr. S. F. Talley, Mr. T. S. Boulton (Burt, Boulton & Haywood, Ltd.), Mr. J. W. Milne (the Gas Light and Coke Co.), Mr. J. F. L. Brunner, M.P., Mr. H. Finnis Johnson (Borax Consolidated, Ltd.), Mr. Charles Bridges (Montgomery & Co., Ltd.), Mr. C. F. Ford (A. Boake, Roberts & Co., Ltd.), Mr. C. R. Wyld (Thomas Keating), Mr. Donald MacKenzie (T. & H. Smith, Ltd.), Mr. J. D. Monson (the Crown Perfumery Co., Ltd.), Mr. T. R. Baker (Blundell, Spence & Co., Ltd.), Mr. D. G. Pope (Ianson & Nicholson), Mr. J. E. Whitehall (Kemball, Bishop & Co., Ltd.), and a representative of the United Alkali Co., Ltd.

Mr. Umney, in introducing the subject, explained the provisions of the Port of London Act, 1908, by which an Authority is established for the purpose of administering, preserving, and improving the Port of London, the Board consisting of members appointed by the Admiralty, the Board of Trade, the London County Council, the Corporation, and Trinity House. The financial provisions by which this Authority will regulate the state of the river and the accommodation and facilities afforded in the port enable the imposition of port rates upon all goods imported into or exported from London by sea, and such rates must not exceed those specified in any Provisional Order made by the Board of Trade, the port rates being charged separately from any other dues payable to the Port Authority. It is further provided that if in each of two

successive years the aggregate amount received from port rates on goods exceeds one-thousandth part of the aggregate value of the goods imported into and exported from the port, or if the amount received from port rates on goods discharged from or taken on board ships not within the premises of a dock of the Port Authority exceeds one three-thousandth part of the said aggregate value, the Port Authority will take the necessary steps to prevent the continuance of the excess. It is specially provided that the Port Authority cannot give any preferential dues. On the other hand, the Board of Trade may authorise additional or increased rates if the revenue in any year is likely to be insufficient to meet the charges. It is computed, continued Mr. Umney, that the total revenue required for the purposes indicated in the Act is approximately 330,000*l.*, while the port rates collected on the existing trade of the port would be 1,200,000*l.* or thereabouts. This indicates, therefore, that the maximum rates will not in all probability be levied eventually, but in the more or less trial stages it will be necessary to under-estimate rather than over-estimate the revenue from this source. As the Board of Trade has asked the opinion of various trades on the provisional schedule which will be submitted to Parliament, he (Mr. Umney) had asked the Secretary to send to members of the Section an abridged schedule, consisting of those articles in which chemical-manufacturers and wholesale druggists are especially concerned. He had hoped to obtain particulars, for comparison, of the port rates of Antwerp, Rotterdam, and Hamburg, as well as Liverpool, but only the last-named had been obtained. This comparison shows these maximum rates are not unfavourable, but there are many calling for notice. In the majority of cases sufficiently cogent reasons can be advanced for alteration. It is a pity that in the case of drugs, and possibly oils, the rate should not be an *ad valorem* one. He submitted the following examples of how the proposed changes work out :

---	Import Value	Port Rate	To Rate of Value
Liquorice root	8/- cwt.	3/- ton	19 1,000
Decorticated liquorice-root	18/- "	"	8 1,000
Calumba-root	9/- "	"	16 1,000
Cascara-bark	40/- "	"	4 1,000
Cinchona-bark	40/- "	"	4 1,000
Belladonna-root	55/- "	"	27 10,000
Senega	2/- lb.	"	7 10,000
Ipecac-root	5/6 "	"	2 10,000
Hydrastis-rhizome	9/- "	"	2 20,000

The oil classification is very erratic. There is very little difference in the normal money value of olive oil and cod-liver oil, and indeed of castor oil for medicinal purposes, yet castor oil is to be rated at 4*d.* per cwt., olive oil in Class 2 at 2*s.* per ton, and cod-liver oil at 1*s.* per ton, making them work out on their approximate values thus :

---	Import Value	Port Rate	To Rate of Value
Castor oil (medicinal) ...	30/- cwt.	-/4 cwt.	11 1,000
Olive oil	40/- "	2/- ton	25 10,000
Cod-liver oil	40/- "	1/- "	125 10,000

The essential-oil classification is by no means *ad valorem*, as will be seen from the following :

---	Import Value	Port Rate	To Rate of Value
Oil of mirbane	35/- cwt.	-/4 cwt.	9 1,000
Citronella oil	105 - "	"	3 1,000
Eucalyptus oil	120/- "	"	3.6 1,000
Bergamot oil	16/- lb.	"	1 5,350
Neroli oil	15/- oz.	"	1 80,000

The classification of seeds under Class 4 at 2*s.* 6*d.* per ton brings together such things of entirely different money value as :

---	Import Value	Port Rate	To Rate of Value
Aniseed oil	19/- cwt.	2/6 ton	7 1,000
Cardamoms	1/8 lb.	"	1 1,480

Spices generally are classified to have a maximum rate of 3*s.* per ton. This also applies to arrowroot and tapioca, and the charge will be a very high percentage of the value of the articles, while almonds, although of the average value of 100*s.* per cwt., are only rated at 2*s.* 6*d.* per ton. It is provided that the aggregate amount received should not exceed one-thousandth part of the aggregate value of the goods imported, yet in some cases the rate would be nearer one two-hundredth than one-thousandth. Mr. Umney added that he had received from individual members of the Chamber particulars and lists of their objections, and he had been favoured by an especially valuable list by Messrs. Evans Sons Lescher & Webb, of London and Liverpool, whose operations in both of these ports enable them to speak with considerable authority. The borax-manufacturers have lodged with the Authority a statement regarding the rate on borax, etc. As regards chemicals, the incongruities in the rates are well instanced by the following range of rates : Citric acid as medicines, 2*d.* per cwt. ; tartaric acid, 2*s.* per ton ; borax, 3*s.* per ton ; and boric acid, 2*s.* per ton. Concluding, Mr. Umney said he was strongly inclined to the view that the particular drugs and drug products should be rated *ad valorem*, making classes of drugs, spices, fixed oils, essential oils, seeds, etc., the fairness of which will be evident by comparing the extremes now falling under the same scale of duty.

A discussion followed, in which Mr. Howard, Mr. Bennett, Mr. Webb, Mr. Potter, Mr. Stevenson, Mr. Dunlop, Mr. Harvey, Mr. Tyrer, Mr. Ford, and others, took part. The consensus of opinion was that the anomalies outlined by the Chairman and given in detail in the list of dues issued to the members were of serious importance. It was also pointed out that the charges in Liverpool are inclusive, whereas those proposed by the Port of London Authority were additional to those now in force. Mention was made of the fact that barks used for tanning and dyeing purposes are charged on a lower scale than those ranked as drugs. On the other hand, the same charge was made for the raw material of tartaric acid as was imposed on the manufactured article coming from foreign ports. Ultimately Mr. Harvey proposed, Mr. Potter seconded, and it was resolved that the meeting regarded the rates as excessive and disproportionate, and that the Port of London Authority be requested to receive a deputation representing the Section with the view to an equitable scale being arranged. The Chairman and Messrs. Howard, Bennett, Webb, Tyrer, and Boulton were appointed a committee to carry the matter through.



TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop-tamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

Trade with Australia.

An *Australian Pharmacist* (179/90), writing in regard to business relations between England and his part of the world, says "there are one or two matters where improvement might be shown. For instance, some of the firms are either backward in their knowledge, or careless regarding the Commonwealth tariff requirements. It is necessary for the exporter to sign a declaration stating whether the goods are of British or foreign manufacture. If this is not done, the importer has to pay the higher duty. This occurs rather too frequently. Again we give a house an order for goods of English manufacture, and on arrival they turn out to be made in some other country; in one lot of sundries imported lately, there were clinical thermometers made in Germany and spray-producers from America. In reference to foreign competition, Germany leads the way in fine chemicals, Merck having a big name for this class of goods. The principal mining people specify this make for assay and analytical work, and they are also largely used for fine analysis and research work. The English brands are quite overshadowed. Scherings do a good deal here, nearly all the salicylic acid and sodium salicylate being of their manufacture. American gauzes and antiseptic dressings are much better packed than those put up by English firms. In proprietary goods leading American firms have a good market here for their specialities, but the Pharmaceutical Councils in the different States are bringing before the medical men the advantages of the 'Australian Pharmaceutical Formulary,' and we have obtained very gratifying results. There is another matter which we would like to see altered—that is, the marking of the retail price on some patent medicines, such prices being below the ruling wholesale rates. Here are a few examples:

Kutnow's Powder	marked 2/9,	wholesale price 40/- doz.	
Elliman's Embrocation	1/-	"	13/9 "
Seigel's Syrup	1 1/4	"	16/6 "
Antexema	1 1/4	"	15/- "

These are a few of the lines I have casually picked out, and you will see that the public are misled and think we are making enormous profit when we charge the ordinary retail advance on cost. During the last three or four years, great endeavours have been made to encourage people here to use goods made in Australia. At one time the highest recommendation in pushing a line was to say it was imported. This is not at all the case now, and the tendency is where possible to 'use goods made in our own country.'

Bergamot Oil.

SIR,—Having had to deal considerably lately with samples of above oil, the correspondence on the subject in your columns has interested me, and I would like to state my experience. During a Continental trip a few weeks ago, I collected nine specimens of this oil, and subjected them all to examination, especially as to their rotation, which I consider the best test for an oil of this kind. All the samples except two were stated to be pure, and on examination I found them to range between +18.50° and 19.80°. I am therefore inclined to endorse Mr. J. C. Umney's statement. On the other hand, one of the other samples, although found to be quite pure, had a rotation of +21.30°, from which I inferred that it

was a rectified oil. The other sample was adulterated with some terpene which I did not investigate, and had a rotation of +22.10°. I would therefore repeat, with Mr. Umney, that I cannot see how a pure bergamot oil can show a rotation of +24° unless it be rectified or obtained from fruit under normal conditions.

J. C. MASCARENHAS, F.C.S.

27 King William Street, E.C.

Mr. Glyn-Jones as a Parliamentary Candidate.

SIR,—I should be obliged if you would allow me to make through your columns an important announcement to pharmacists throughout the country. The Pharmacists' Representation Committee at its meeting on September 28 resolved to take active and practical steps to secure the presence in Parliament of a pharmacist, and has decided, with this object in view, to support the candidature of Mr. Glyn-Jones, who has been selected to contest a London constituency. It is essential that the appeal issued by the committee for the President's Parliamentary Fund should be promptly responded to, and I ask your assistance in making known to all intending subscribers that their subscriptions should be remitted during the course of the next week. Support in other directions is also necessary if we are to succeed. Mr. Glyn-Jones will stand as a Liberal candidate, and I should be glad to hear from any pharmacists who are on that side of politics, and who, apart from financial assistance, are willing to help his candidature. Clerical, canvassing, and other work of that character is required, and I feel sure that there must be a large number of pharmacists in London and the country who, as a personal matter, would be willing, as a return for the services Mr. Glyn-Jones has rendered the calling, to assist him in this effort to win a seat, and thus still further equip himself for the service of pharmacists. Yours faithfully,

W. J. UGLOW WOOLCOCK,

Secretary to the Committee.

Sweet Oil, Stocktaking, and Elliman's.

SIR,—When I ventured to question your dictum *re* sweet oil I was under the impression that "Homer had been caught napping" for once, and, as the *C. & D.* is such an old, tried, trusted, and valued friend of mine, it was my duty and pleasure to wake him up. Judge, then, of my surprise when I saw your next number, and that you challenged my opinion and invited cards from your subscribers. The replies have indeed woke me up, and my only consolation is to find that I have been asleep in very good company. Having, however, sold olive oil all my business life, and not having colza, rape, etc., in stock, I shall continue *u. a.* Judging from some of the replies you printed the "chemist" in many places up North seems synonymous with "oilshop" down South. I am told they make heaps of money and have a good time so far as hours are concerned, but what an awful drop it must be for some of them who had such exalted notions of the profession (?) in their young and hopeful days.

STOCKTAKING.—Now, greatly daring, I venture to fall foul of the great "Jay Mack," "Mg.," and several others. Stocktaking for the ordinary retail business is in my opinion simply time and energy wasted, and is quite unnecessary. I have had my present business about thirty years, and from time to time have had to increase the space for stock, and feel sure that it must now be quite 25 per cent. more than when I started. It is such a pleasure to work day by day knowing that your stock is really up to date and my neighbours also find it useful. Of course, I know that some of your subscribers can and will prove that I am all wrong and don't know anything about real business principles. My only reply is that for all these years on an outlay of 700*l.* in the purchase of my business the average net income, after paying all rent, rates, taxes, and every other expense, has not been less than 300*l.* per annum. In two other cases I have done even better in buying businesses for young relatives, and they have both had every reason to be satisfied with their bargains. In buying a business my rule is by careful investigation to find out what the actual net profit is. So long as in my opinion that has been earned honestly by the amount of stock on the premises, it makes little difference whether it be three, four, or five hundred pounds' worth. The old rule of my youth was "three years' net profits

or one year's returns," and you get the value of a business. If you get one for less, then you have a bargain. It takes 1,000% of stock in some places to earn as much net income as 600% in others, and, after all, it is the net income that counts.

ELLIMANS.—"Whom the gods wish to destroy they first make mad." I forget the Latin, but perhaps English will do as well, and it just about fits the case. Poor old Elliman (the original)—what must he think as he looks down on the present turmoil! How he worked and suffered in building up the splendid business and how honourably he acted when success came at length! As one who has known the firm for nearly a lifetime, and has never during all the time attempted to substitute anything in place of their excellent preparation, may I be permitted to say to them, "Beware!" Strong as they are, they are not sufficiently so to be able to fight successfully a whole trade in arms. And why should they attempt it? It pays better all round to be friends. Their letter in to-day's number made even me mad when I first read it. "Formulated their complaint in a proper spirit"! These are not nice words to use to a body of educated men, and will be the cause of much bitter feeling. We want no favours from Ellimans or anybody else, but we do want a fair profit in return for valuable services rendered.

Yours faithfully,

September 25.

VETERAN. (179/54.)

[We have received other letters on the subject of Messrs. Elliman's prices, the majority deprecating the independent attitude taken by the makers, that sentiment being expressed in language more forcible than polite. One correspondent (182/51) suggests that the makers should supply retailers with parcels of six dozen assorted on the best terms, provided the amount of the invoice is not less than 3*l.* 10*s.*—EDITOR, *C. & D.*]

Information Received from Subscribers.

About the "C. & D."

One of the few half-sovereigns I spend with the satisfaction of knowing that I shall get more than value for money.—*C. E. B. M.* (218/25).

Your valuable journal has been of real assistance to me both financially and educationally. I thank you for many years of assistance.—*W. D.* (214/22.)

You are to be highly congratulated on the Jubilee issue, and as an old subscriber and a very old reader I only hope that when the Centennial occurs it may be out of all proportion with the Jubilee.—*W. G. S. (Cawnpore).*

"All-fours" Liniment Wanted.

Allow me to thank Mr. Whitby and "W. H." for their replies to my query respecting "All-fours" as applied to a liniment. It is the liniment I am searching for, having had the cough-mixture some years.—*Pharmacist.* (179/70.)

Price Problem.

J. C. B. (153/12) told in the *C. & D.*, September 25, p. 522, that a lady wanted a bottle of Eno's Salt from him at 1*s.* 8½*d.*—the price at which, she said, she got it elsewhere. We asked subscribers to illustrate, from experience, what they would do in such circumstances. We append a few of the replies that have been received.

I always tell such customers that I cannot afford to sell goods at cost-price. Lots of people are surprised when they know of these large "chemist's profits."—*Wm. Dennis.*

If the lady said she got Eno's round the corner for 1*s.* 8½*d.*, I should say, "Please pay me the 1*s.* 8½*d.*, and I will send my boy there for it, and he will run on to your house with it."—*W. F.*

I recently had a customer who assured me he could obtain Clarke's Blood-mixture for 1*s.* 9*d.* at the Co-op. I told him I could give him 1*l.* per week commission, as I would buy them from him for 1*s.* 10*d.* Says he, laughing, "Give me two bottles at 2*s.*"—*T. Smith.*

A man asked for a "box of Zam-Buk" and the price. When told the price was 1*s.* 1*d.*, he said he could always get it for 10½*d.* at the chemist's over the way. I replied that the cost-price was 1*s.*, but that if he wished to make a little pocket-money I would be glad to give him 11*s.* per doz. for all he could bring me. He went straight to the other shop, but, of course, did not get it there either, the shop not even attempting to "cut" prices to any extent.—*C. E. H.*

A lady called at my store a short time ago and asked for a tablet of Pears' soap. "How much?" "3½*d.*, please." "Oh, I thought we got our goods at cost price," I bought the business from her father (a doctor), she now being married

and staying in —, a hundred miles from here. So I answered, "If you buy half a dozen, I'll let you have them at net cost price, which will be 1*s.* 8½*d.*" "Oh, never mind; but it's not fair, as I can buy it in Glasgow at 3½*d.*, and you can't call that getting goods at cost price." (177/80.)

Whenever I had a customer (and I had many in my time—there's nothing like a collier for taking a sporting chance) who stated he could obtain patent medicines elsewhere at what I knew to be less than net cost, I courteously asked him to become a buyer for me, at the price, for all he could get, at the same time offering as commission the amount between the price he stated he could obtain it at and its absolute cost to me. Thereby those who were "trying it on" gave up the game, and those who had made an honest mistake found it out on attempting to prove their words.—*Arthur Oglesby (Barnsley).*

Let me relate an actual fact within my knowledge. Scene: A fashionable resort—a Yorkshire seaside town (that I have been to for some twenty-two years), chemist's shop. Enter Lady (to senior partner): "I want a bottle of Eno's Salt—how much?" "2*s.* 2*d.*," said he. "Oh! I can get it elsewhere for 1*s.* 9*d.*" Chemist and lady each hesitate. "I suppose I must have it, then," said the lady. "Not in the least if you don't want it," said the chemist, who proceeded to put Eno back in the case. "Oh, well, I'll have it," said the lady, who paid 2*s.* 2*d.* I liked that chemist and took a leaf out of his book. His probate was sworn to some 60,000*l.*, yet I have seen him weighing 1*l.* worth of borax.—*Boswell.*

I recently declined to sell a bottle of Seigel's for 10½*d.*, although assured that numbers of bottles had been purchased at So-and-So's stores at that price. Customer came in a few days afterwards and apologised for her mis-statement, stating she had tried to obtain a bottle from the other place, but could not. She had confused the price with that of Beecham's pills. The minimum retail prices of all patents are now fairly constant, and when a customer says she gets a thing at an impossible price, courteously decline to supply below the minimum price. Nobody, stores or others, sell patents for less than they cost. If customer finds she has been mistaken in the price she said she could get it, she will retain her good opinion of you; but if she has tried to "jump" you, knowing well she was stating a wrong price, she is not worth further consideration.—*Trader.*

Recently I had a customer for "2*s.* 9*d.* Clarke's Blood-mixture" for 1*s.* 10½*d.* (cost to me 2*s.* in London). I charge 2*s.* owing to store competition. I said 2*s.* was the lowest price (which I think is the store price here), but the customer, who was a stranger to me, said "she would call later." About ten minutes later, the assistant of a brother pharmacist, whom I frequently oblige with patents, came for one bottle of Clarke's mixture. After handing him one, he put down 2*s.*, and said, "I think that is your price." I then learnt from him that the same person went to this shop with the same demand, which the pharmacist was willing to supply, but found he was out of stock; the customer told him I had plenty but charged 2*s.* He was willing to pay 2*s.* and charge 1*s.* 10½*d.* on demand. Sequel: This customer now often comes to me for drugs, etc., but never for patents.—*Veritas.*

I had a very similar customer to your correspondent's a month or so ago, but in this case a gentleman (*sic*). This was what actually occurred. He entered the shop and asked for a bottle of Eno's Fruit Salt. "Thank you; 1*s.* 10*d.*, please." "Why, I only pay 1*s.* 9*d.* down below at So-and-So's stores." "I'm afraid you're mistaken, sir." "No; I always get it at that." "Well, look here sir, I'm open to make a sporting bargain with you. I will send my lad down there for a bottle while you wait here, and you can see the receipted bill. If the price is 1*s.* 9*d.* I will give it to you, if 1*s.* 10*d.* you shall pay me that without demur." This proposal he did not seem willing to fall in with; but I persisted, and he rather reluctantly agreed. On the return of the boy with the stuff and the receipt for 1*s.* 10*d.* (which I knew it would be), he most humbly apologised and said he must have been mistaken. He is now a regular customer, and has evidently seen the error of his ways. But what is more to the point is being compelled to sell this stuff at cost price. Cannot Messrs. Eno be persuaded by the combined request of the trade to put it on the P.A.T.A.?—*S. H. P.*

Re Fowls and Arsenic.

I have recently had a very favourable opportunity to observe the effect of arsenic on fowls, while spending a holiday at a farm where the poultry had free run of the lanes and neighbouring farm-buildings. One of the fowls was noticed to be out of sorts, and the opinion was expressed that it had been struck on the head with a stick or stone; it was treated accordingly, but in a few hours died, and the body was thrown to five strong healthy ferrets. Later on another fowl was seen to be in a similar condition, and, suspecting poison, I kept it under observation. The symptoms were precisely the same as in the previous case—viz., ruffled feathers, hanging of the

